Full wwPDB EM Validation Report ⓘ

Mar 15, 2026 – 01:39 AM UTC

PDB ID	:	2W4H / pdb_00002w4h
EMDB ID	:	EMD-1584
Title	:	Isometrically contracting insect asynchronous flight muscle quick frozen after a quick release step
Authors	:	Wu, S.; Liu, J.; Reedy, M.C.; Tregear, R.T.; Winkler, H.; Franzini-Armstrong, C.; Sasaki, H.; Lucaveche, C.; Goldman, Y.E.; Reedy, M.K.; Taylor, K.A.
Deposited on	:	2008-11-25
Resolution	:	35.00 Å(reported)

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

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

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

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

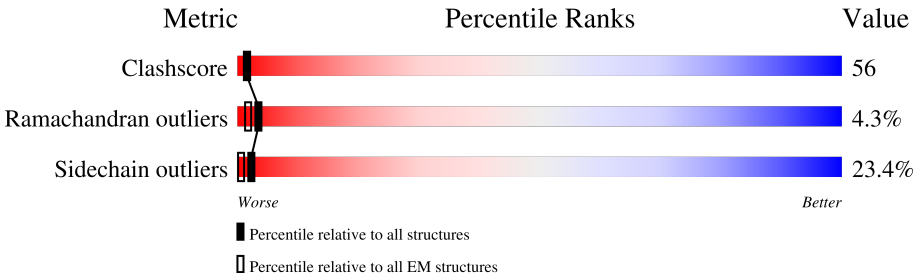
EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	NOT EXECUTED
MapQ	:	FAILED
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson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

1 Overall quality at a glance

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

The reported resolution of this entry is 35.00 Å.

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



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

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

Mol	Chain	Length	Quality of chain
1	1-B	150	41% 35% 17% 6%
1	10-B	150	41% 36% 17% 6%
1	11-B	150	41% 35% 18% 6%
1	12-B	150	41% 34% 19% 6%
1	13-B	150	41% 36% 17% 6%
1	14-B	150	41% 35% 18% 6%
1	2-B	150	41% 35% 18% 6%
1	3-B	150	41% 36% 17% 6%
1	4-B	150	41% 35% 17% 6%

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Mol	Chain	Length	Quality of chain
1	5-B	150	40% 36% 18% 6%
1	6-B	150	41% 36% 17% 6%
1	7-B	150	41% 34% 19% 6%
1	8-B	150	41% 34% 19% 6%
1	9-B	150	41% 35% 18% 6%
2	1-C	145	35% 48% 12% 5%
2	10-C	145	35% 48% 12% 5%
2	11-C	145	35% 48% 12% 5%
2	12-C	145	35% 48% 12% 5%
2	13-C	145	35% 48% 12% 5%
2	14-C	145	35% 48% 12% 5%
2	2-C	145	35% 48% 12% 5%
2	3-C	145	35% 48% 12% 5%
2	4-C	145	35% 48% 12% 5%
2	5-C	145	35% 48% 12% 5%
2	6-C	145	35% 48% 12% 5%
2	7-C	145	35% 48% 12% 5%
2	8-C	145	35% 47% 13% 5%
2	9-C	145	35% 48% 12% 5%
3	1-M	840	26% 44% 22%
3	10-M	840	27% 44% 22%
3	11-M	840	27% 44% 22%
3	12-M	840	27% 44% 21%
3	13-M	840	27% 44% 22%
3	14-M	840	27% 44% 21%

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Mol	Chain	Length	Quality of chain
3	2-M	840	26% 44% 22%
3	3-M	840	26% 44% 22%
3	4-M	840	27% 44% 22%
3	5-M	840	26% 44% 22%
3	6-M	840	26% 44% 22%
3	7-M	840	26% 44% 22%
3	8-M	840	27% 43% 22%
3	9-M	840	26% 44% 22%

2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 122612 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	2-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	3-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	4-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	5-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	6-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	7-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	8-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	9-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	10-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	11-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	12-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	13-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	14-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	26	ASP	GLU	conflict	UNP P02609

- Molecule 2 is a protein called MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	2-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	3-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	4-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	5-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	6-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	7-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	8-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	9-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	10-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	11-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	12-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	13-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	14-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		

- Molecule 3 is a protein called MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	1-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	2-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	3-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	4-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	5-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	6-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	7-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	8-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	9-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	10-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	11-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	12-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	13-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	14-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
M	138	LYS	GLU	conflict	UNP P02609

3 Residue-property plots (i)

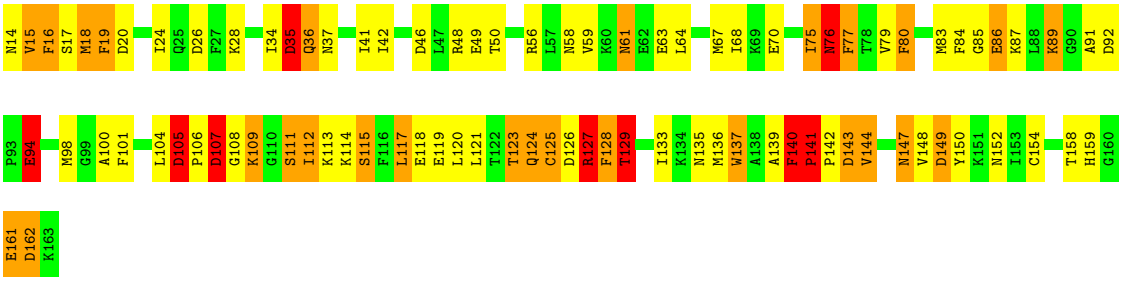
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry. Residues are color-coded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

• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 1-B:

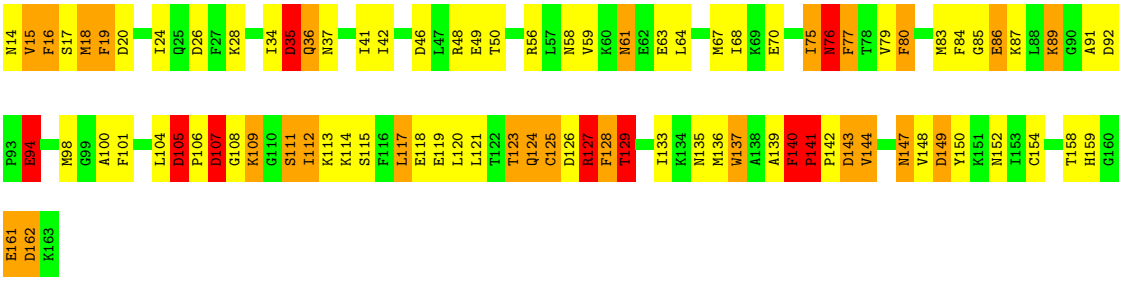
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 2-B:



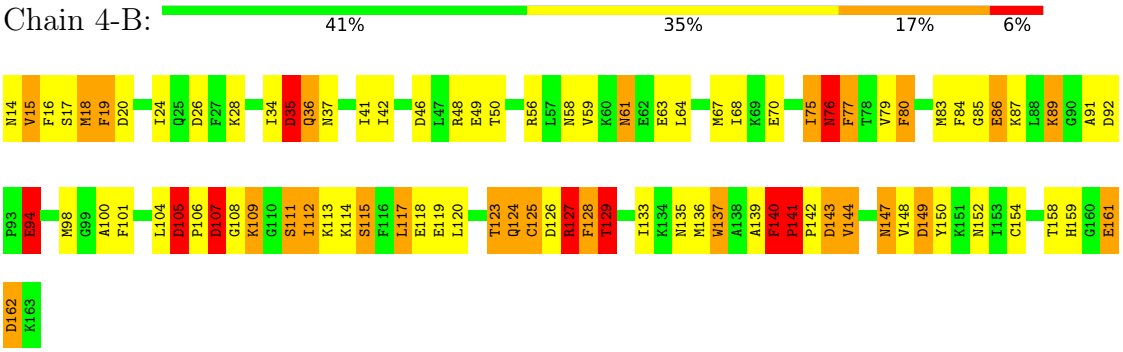
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 3-B:



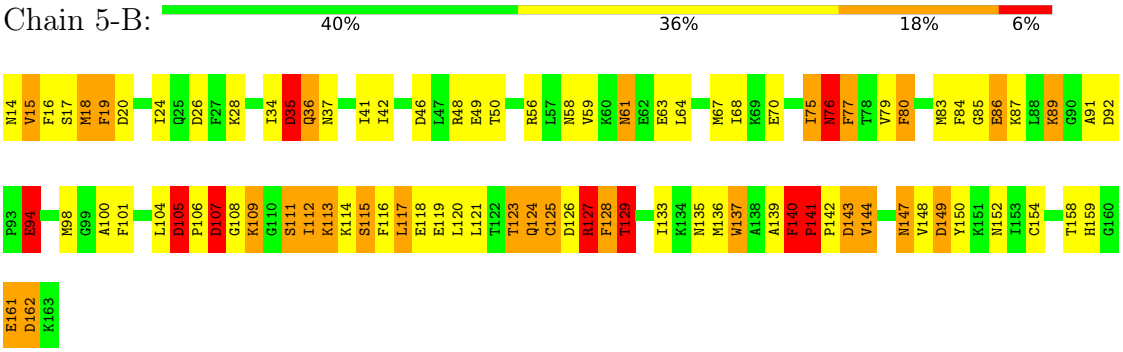
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 4-B:



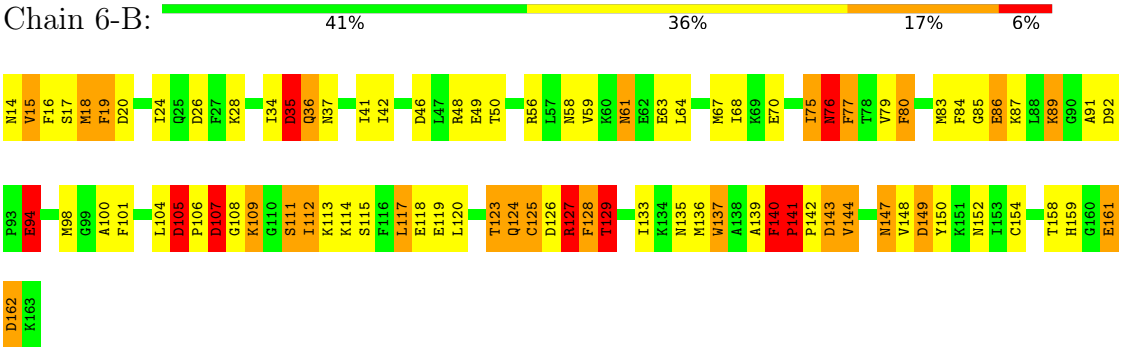
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 5-B:



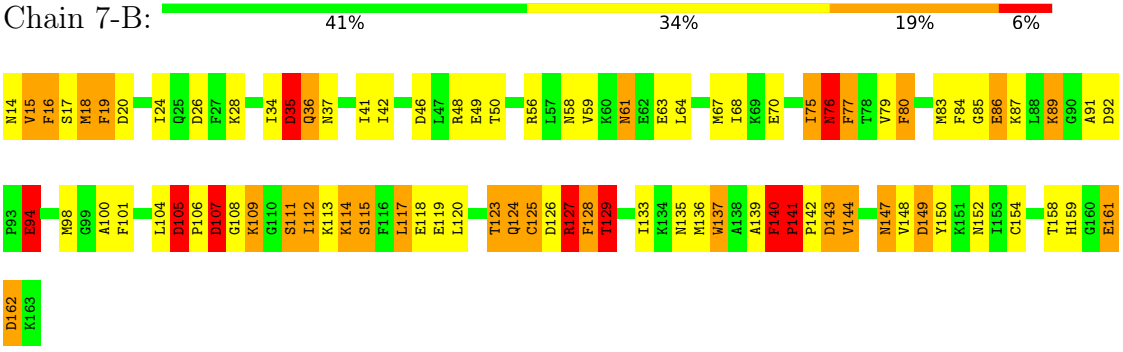
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 6-B:



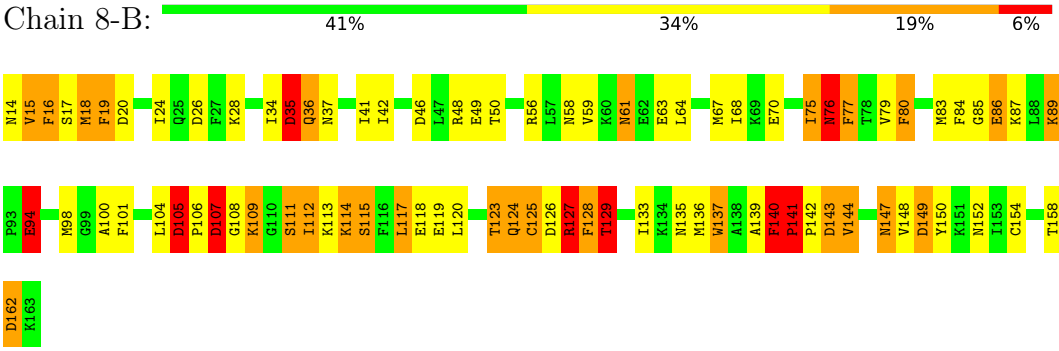
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 7-B:



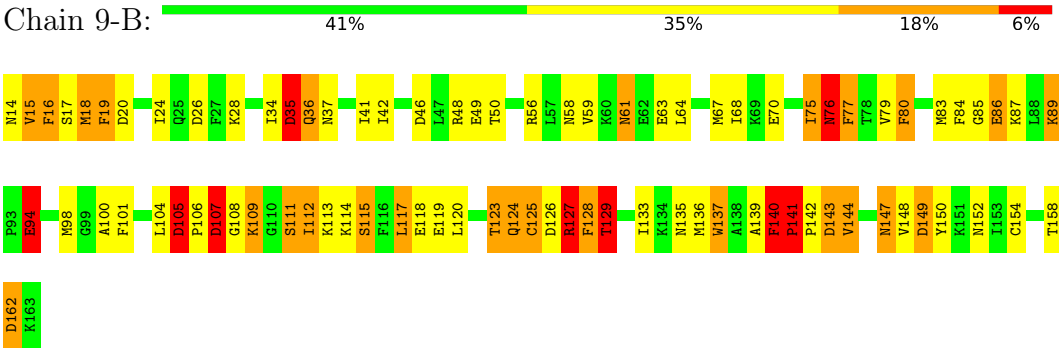
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 8-B:



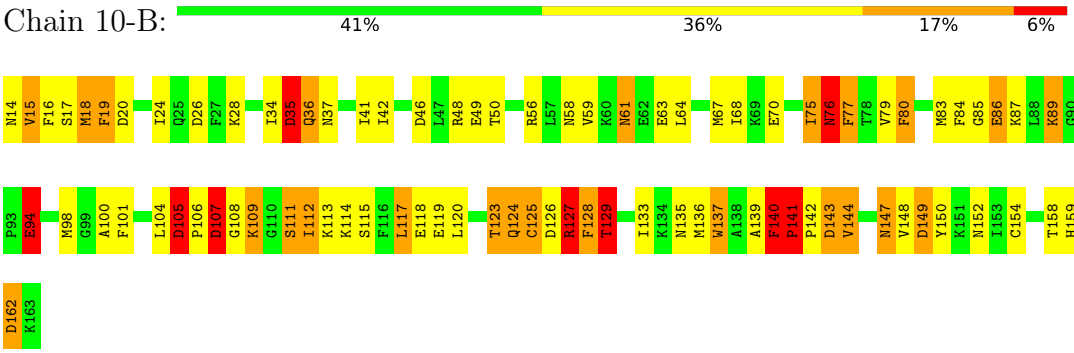
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 9-B:



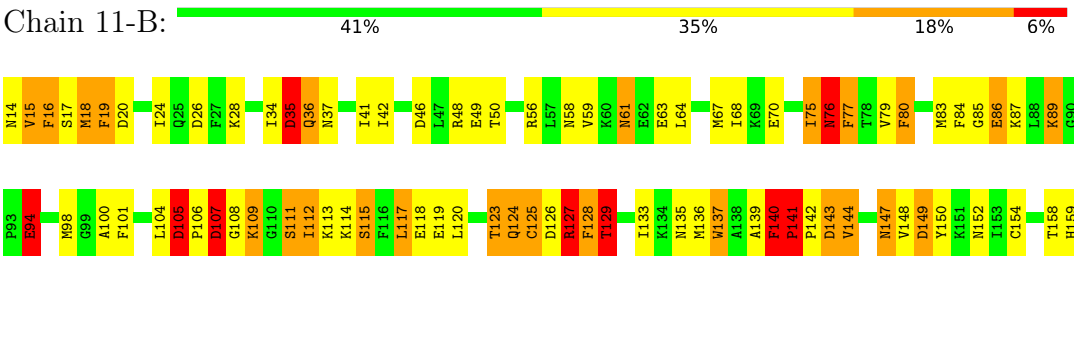
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 10-B:



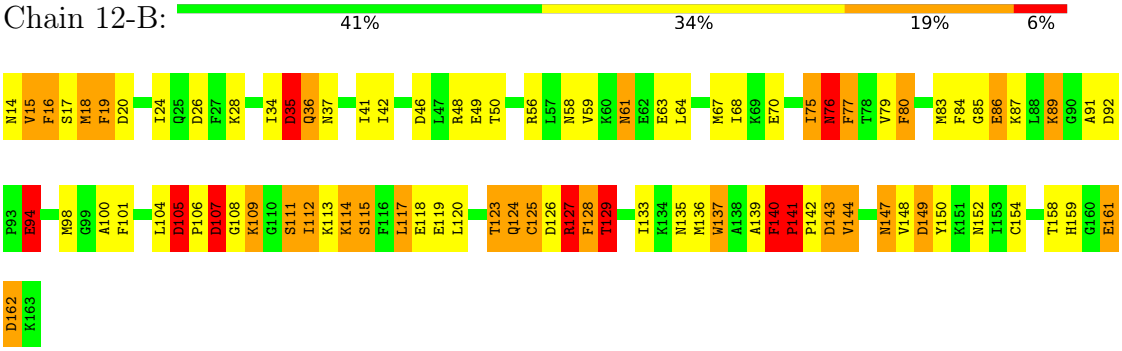
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 11-B:



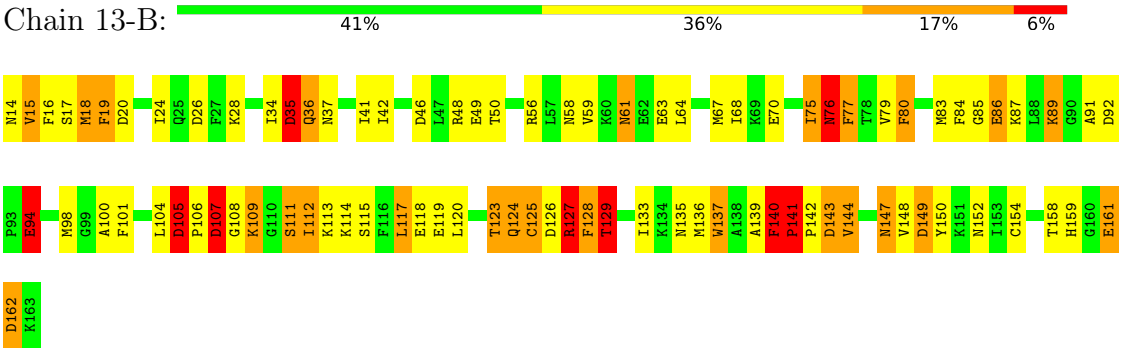
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 12-B:



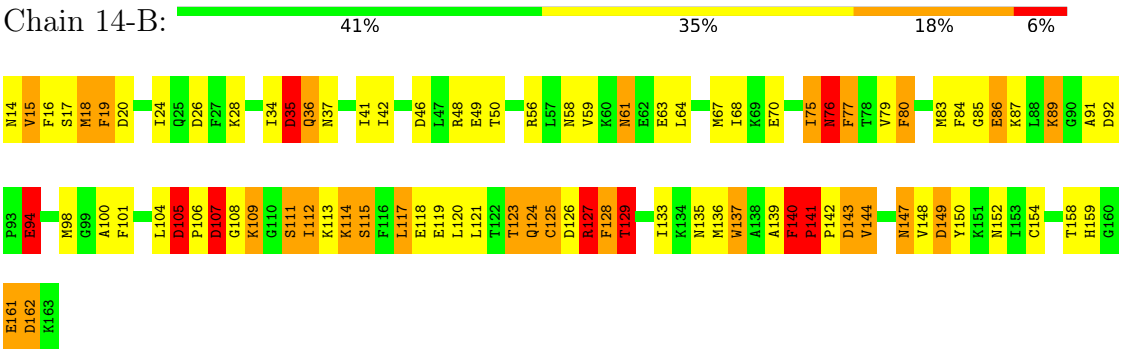
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 13-B:



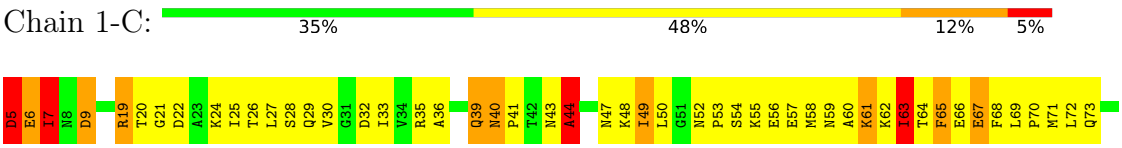
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

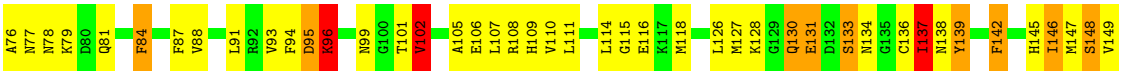
Chain 14-B:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

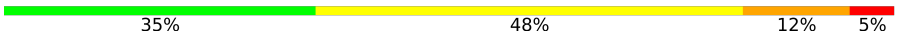
Chain 1-C:

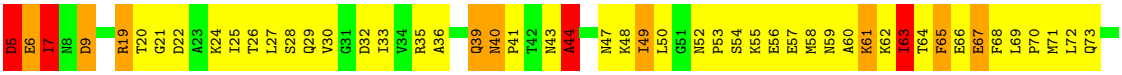


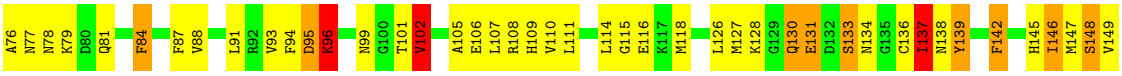


• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 2-C:

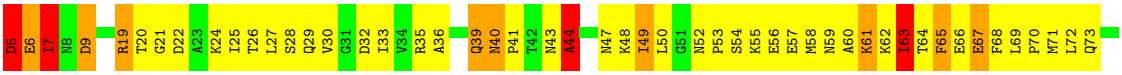


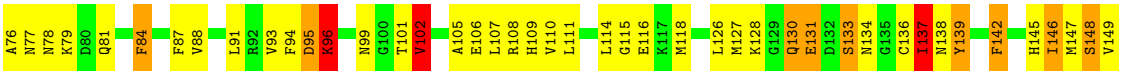




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

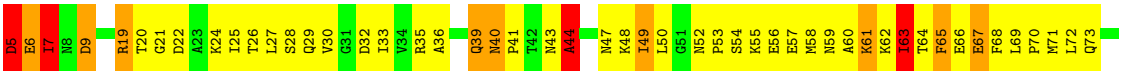
Chain 3-C:

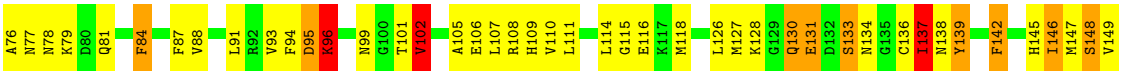




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

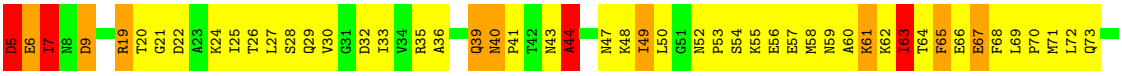
Chain 4-C:

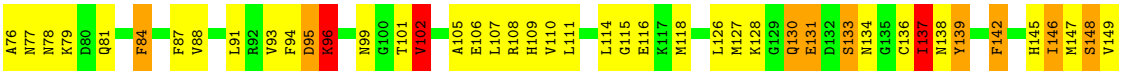




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

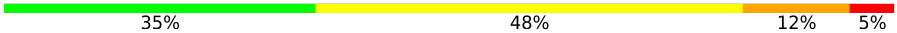
Chain 5-C:

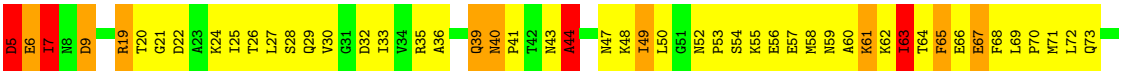


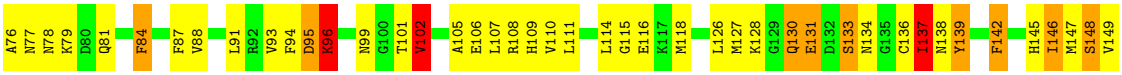


• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 6-C:

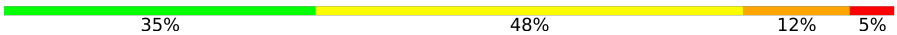


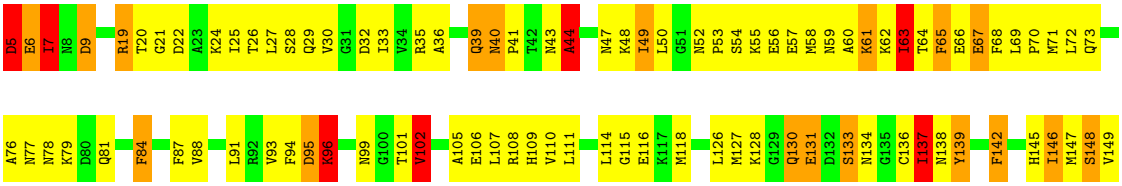




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

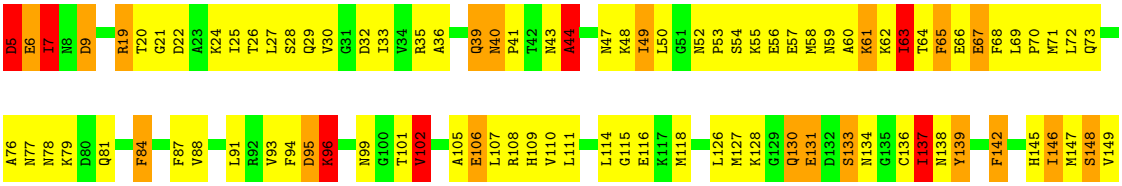
Chain 7-C:





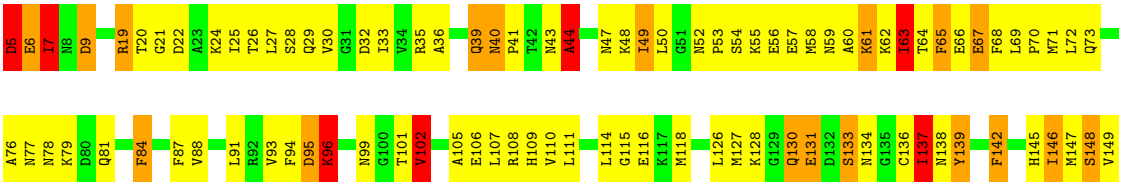
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 8-C:



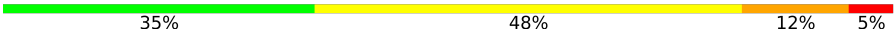
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

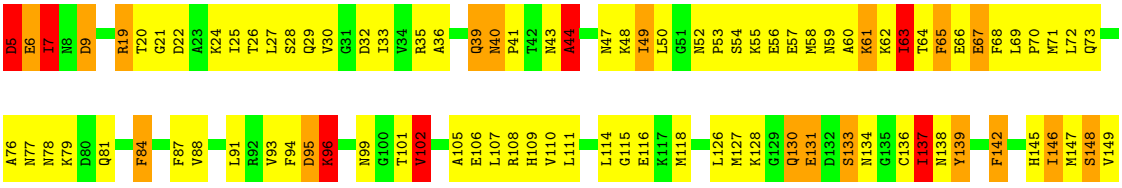
Chain 9-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

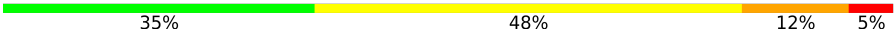
Chain 10-C:

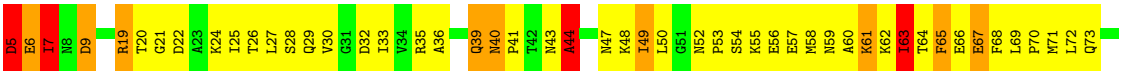


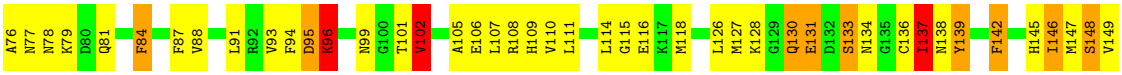


• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 11-C:

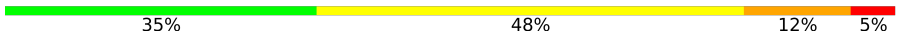


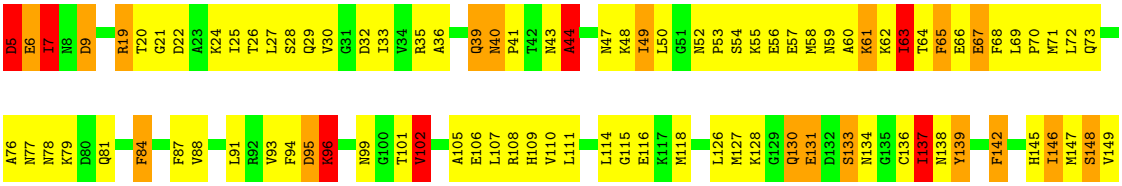




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

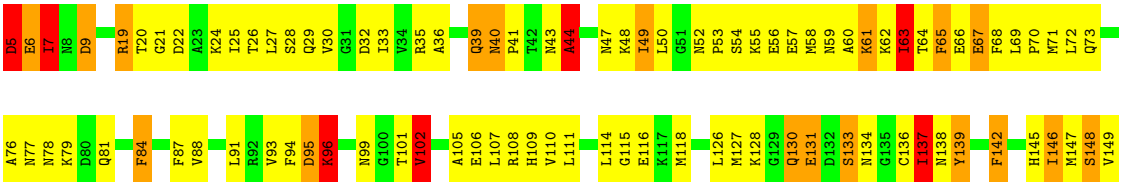
Chain 12-C:





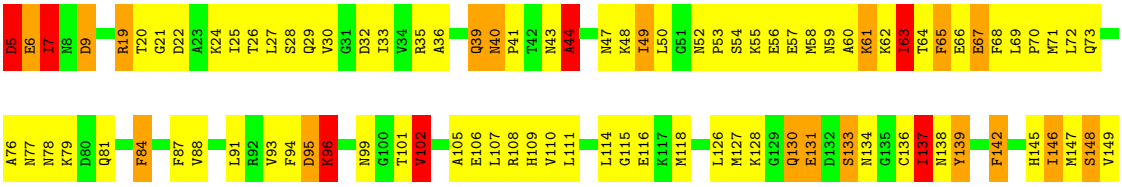
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 13-C:



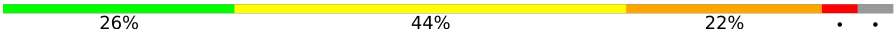
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

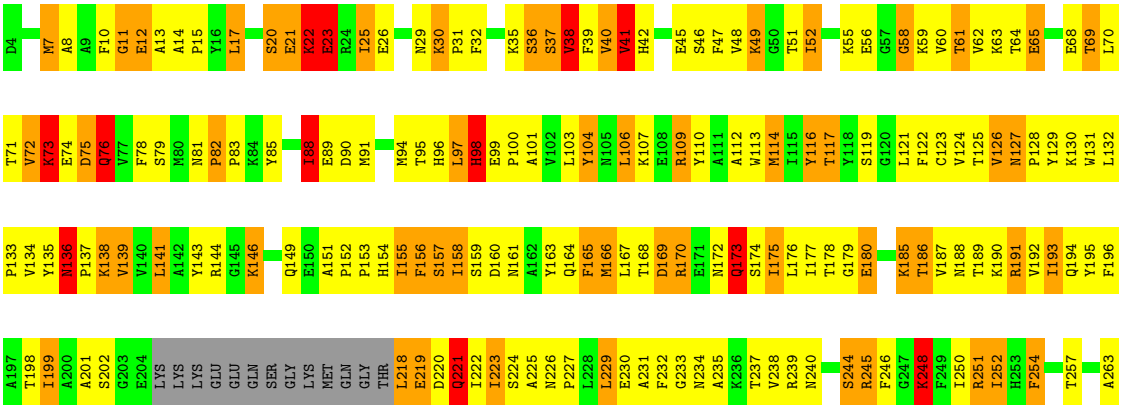
Chain 14-C:

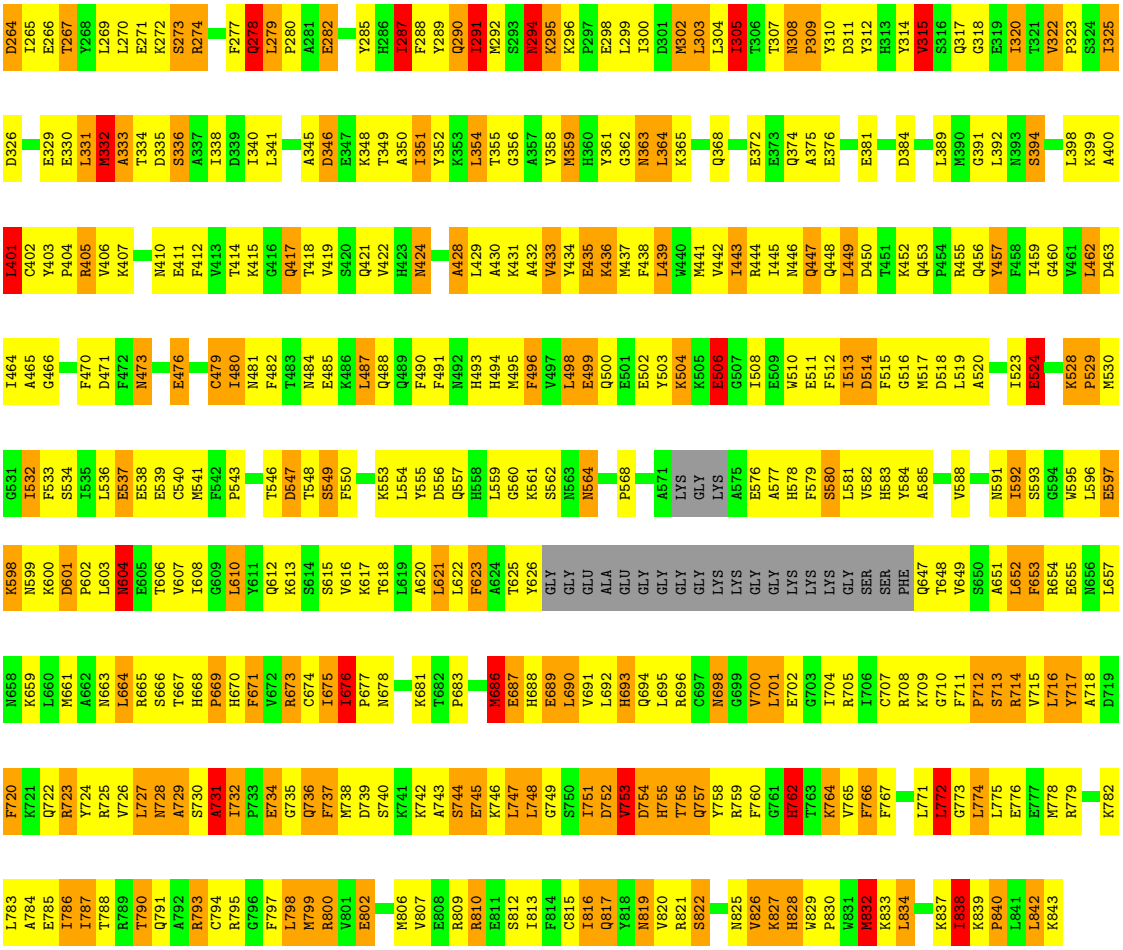


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 1-M:

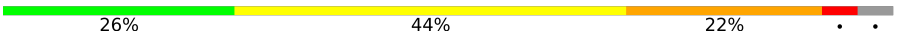


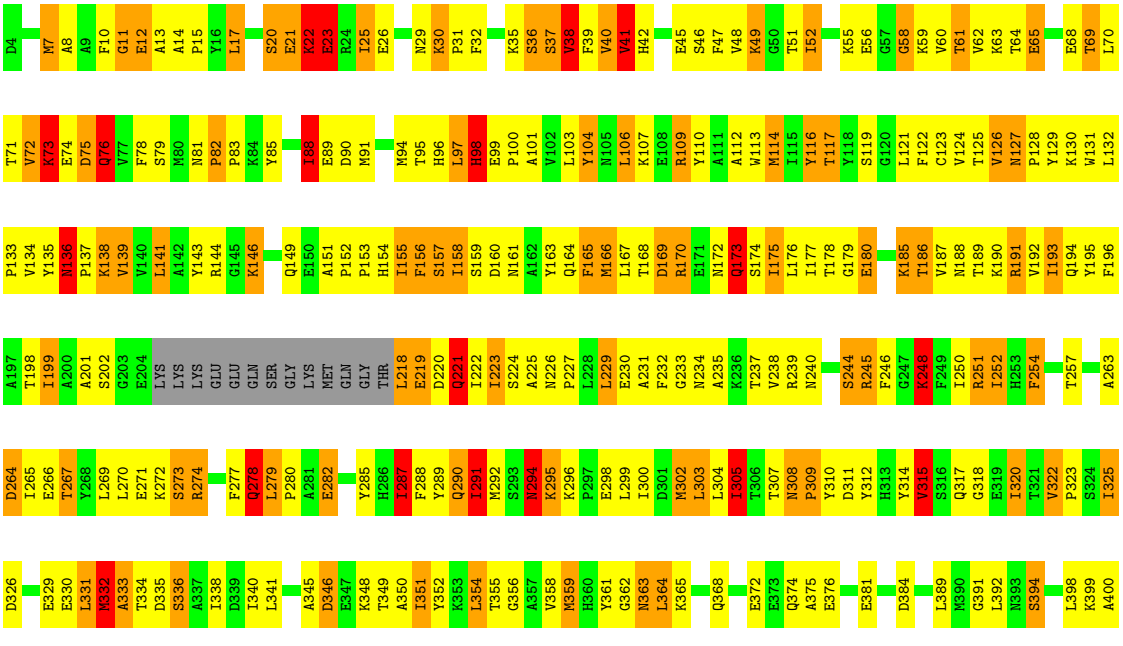


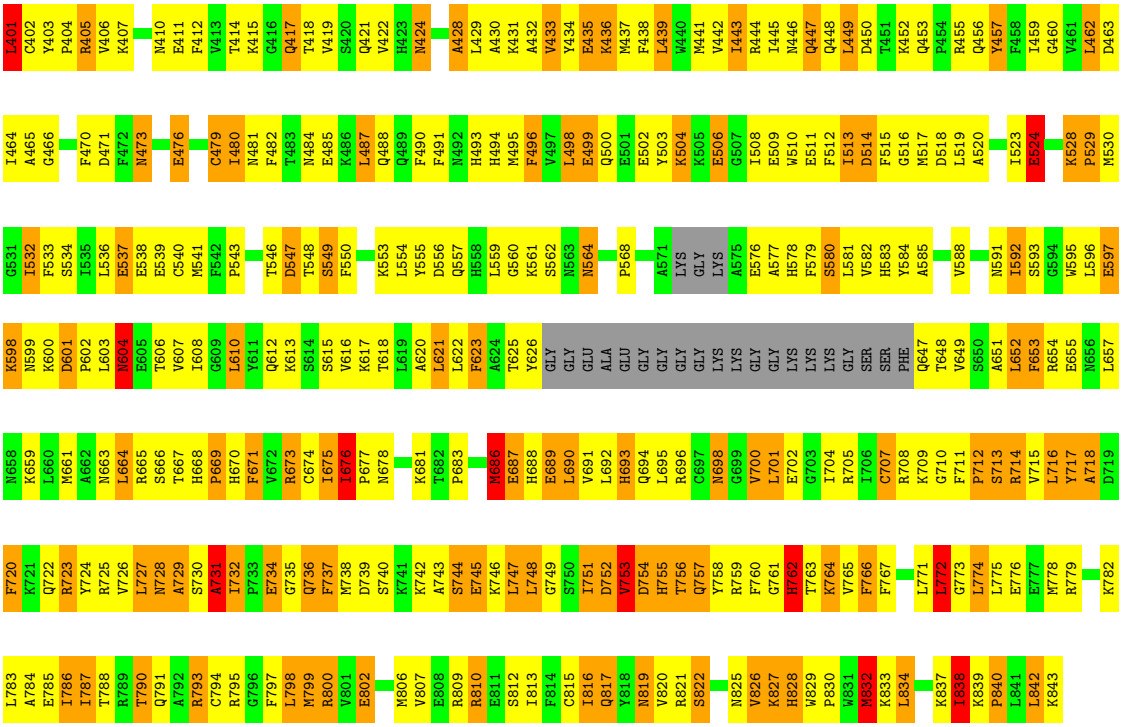


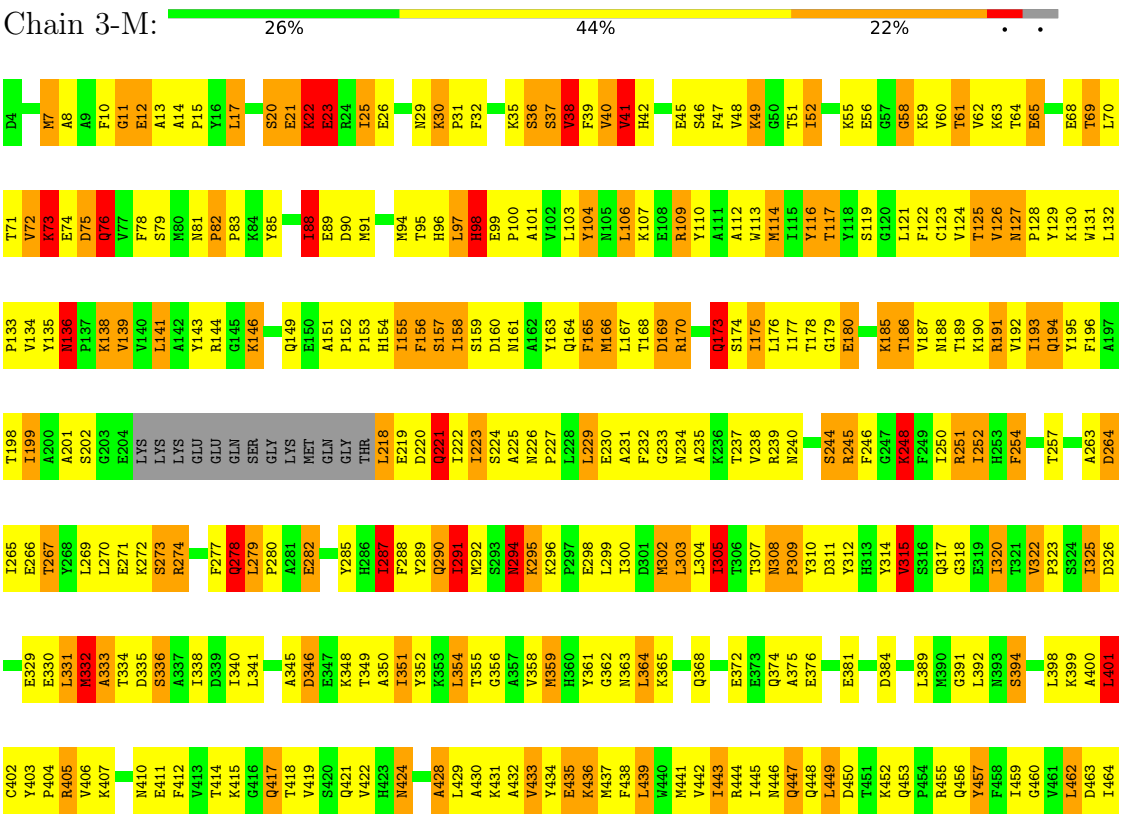
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 2-M:



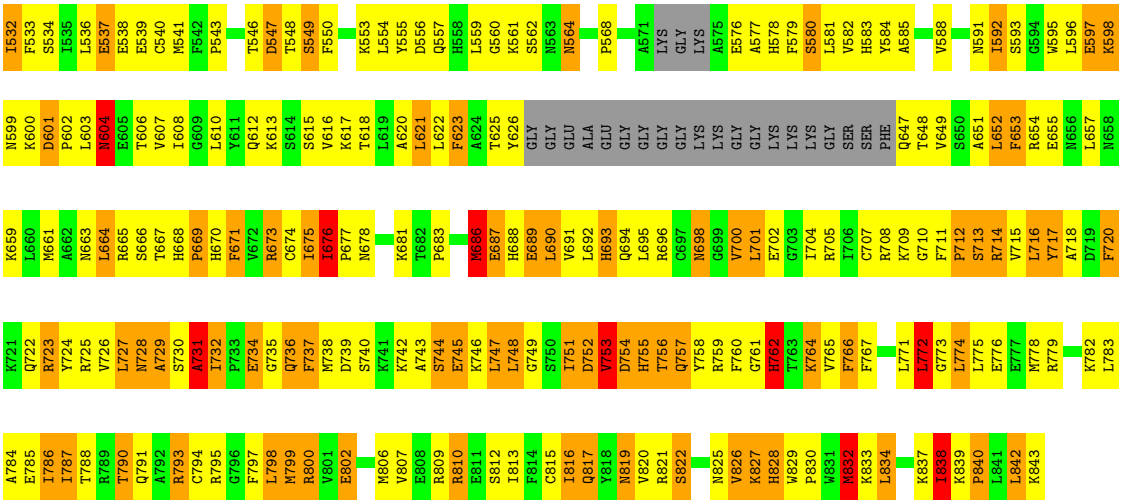






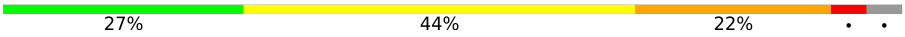
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

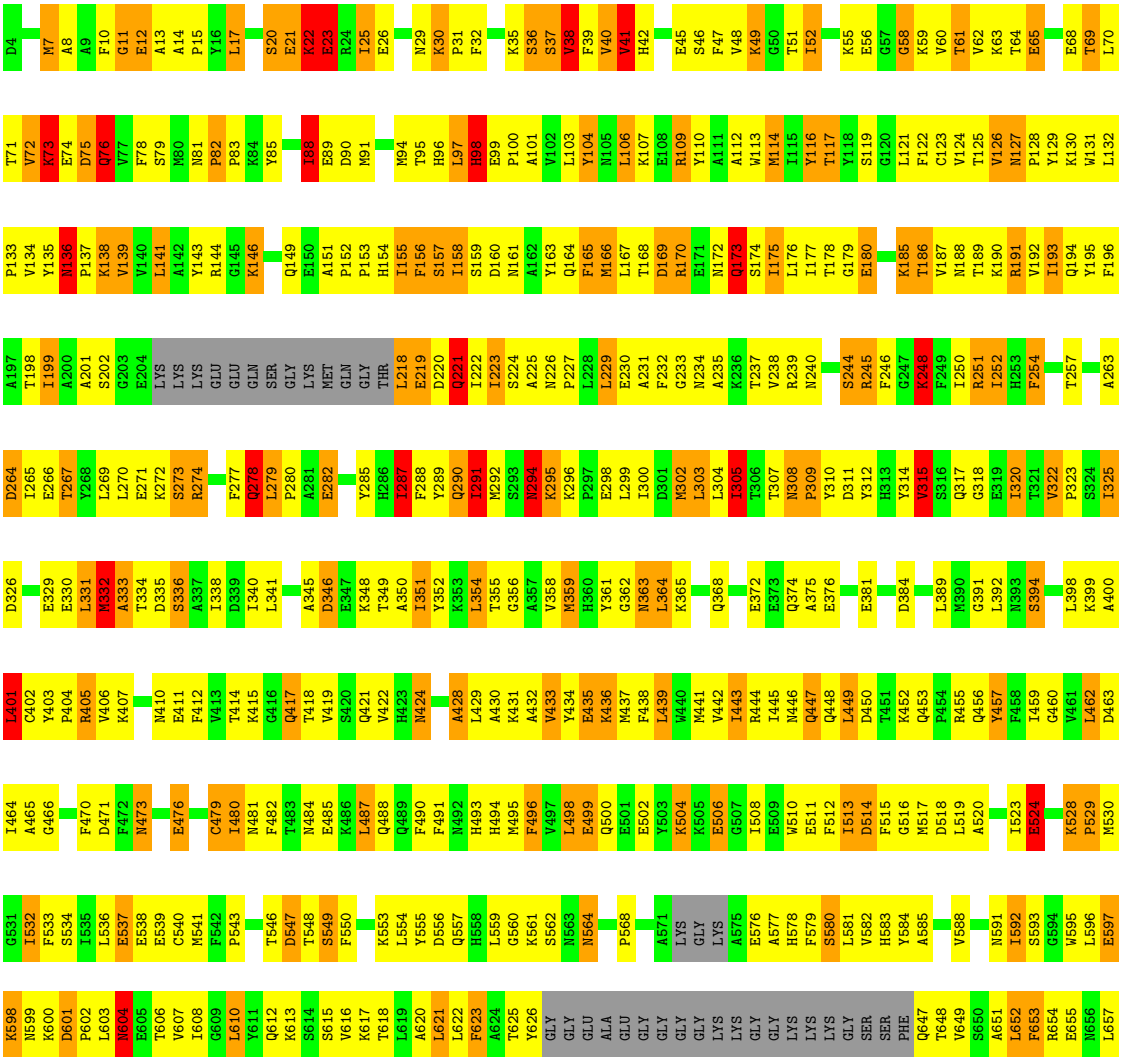
Chain 3-M:

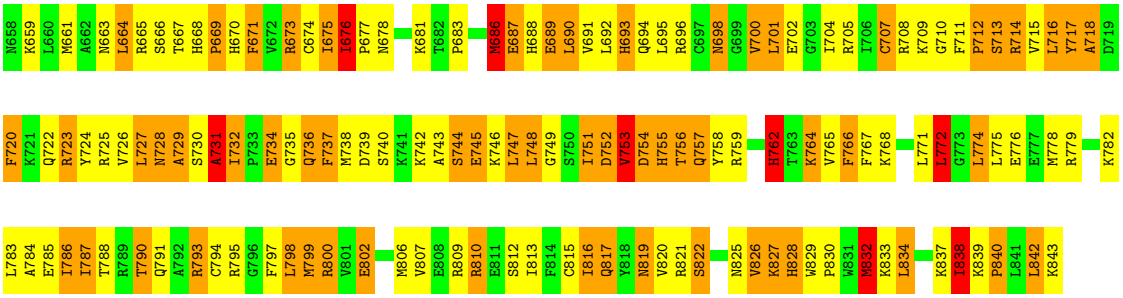


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 4-M:

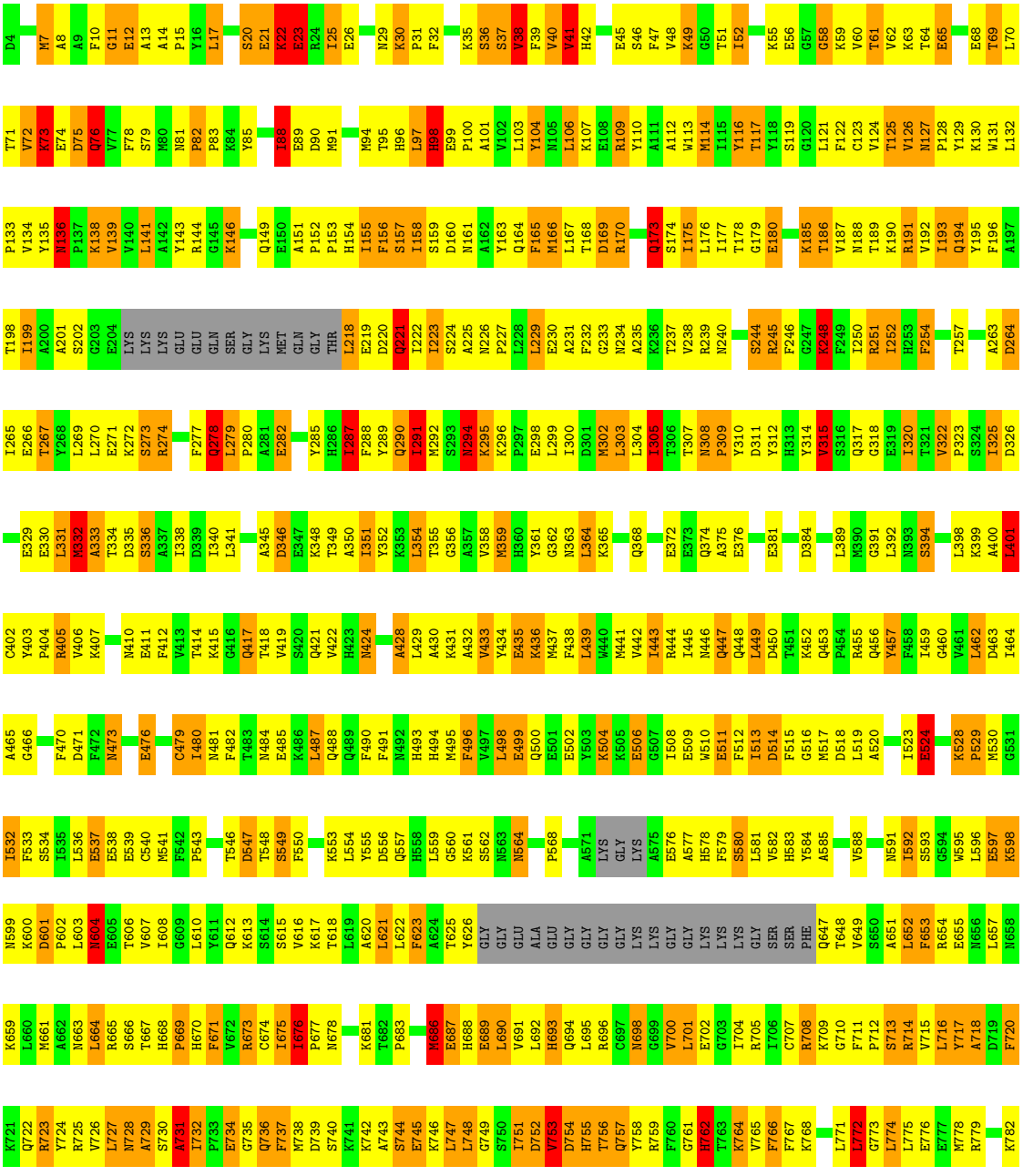






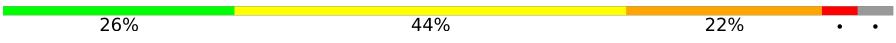
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

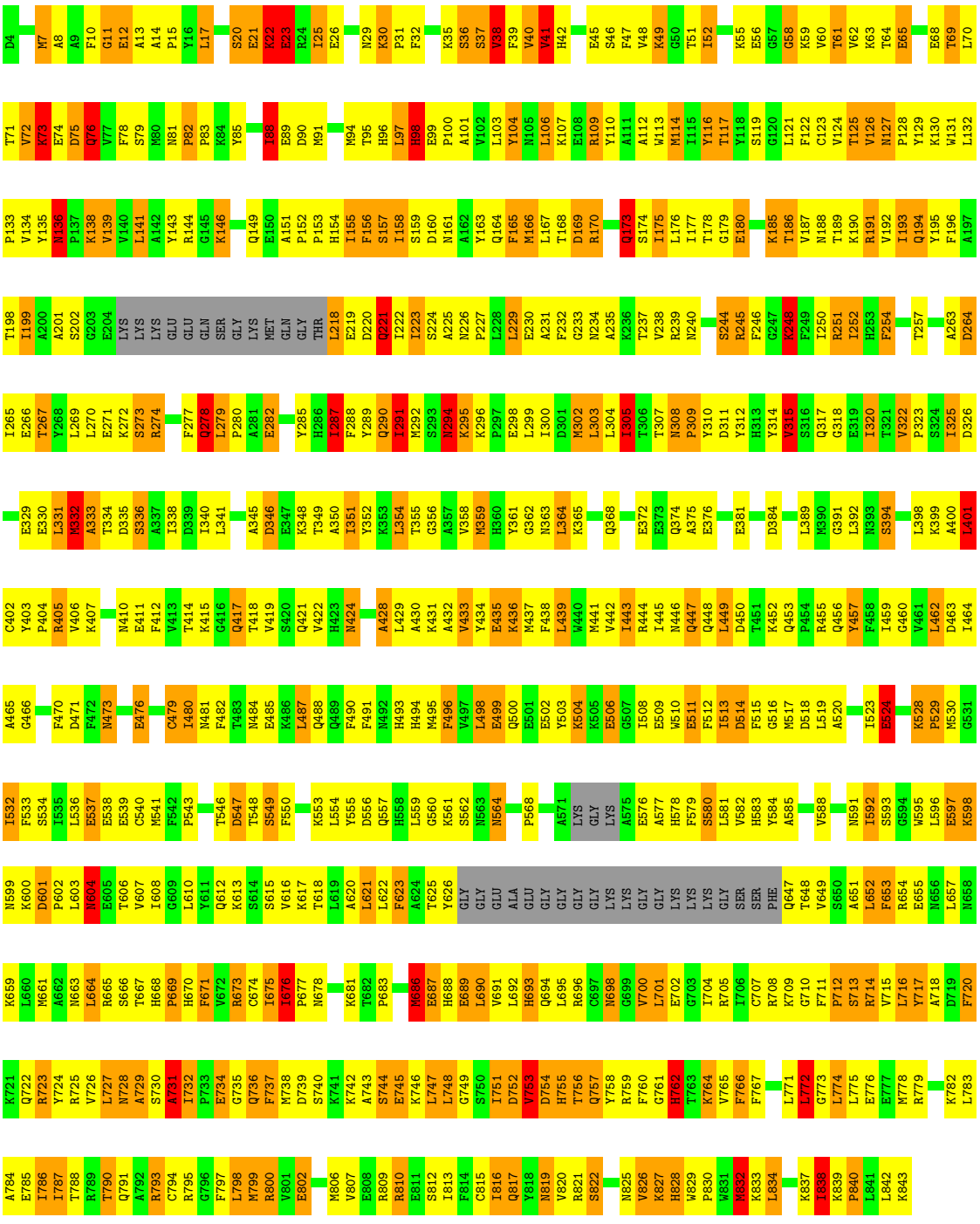
Chain 5-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

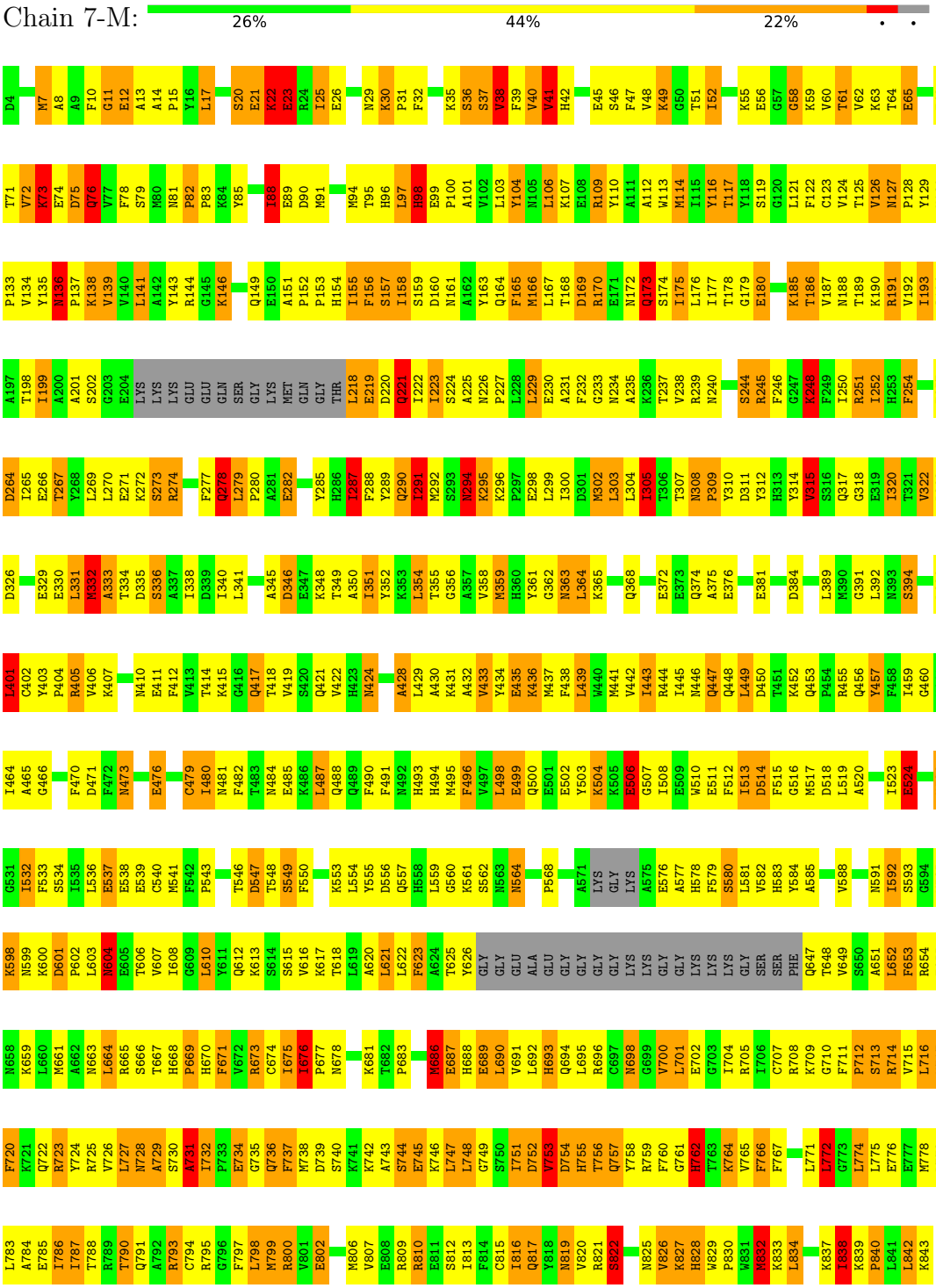
Chain 6-M:





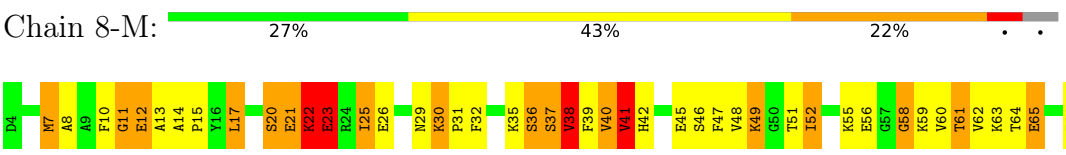
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

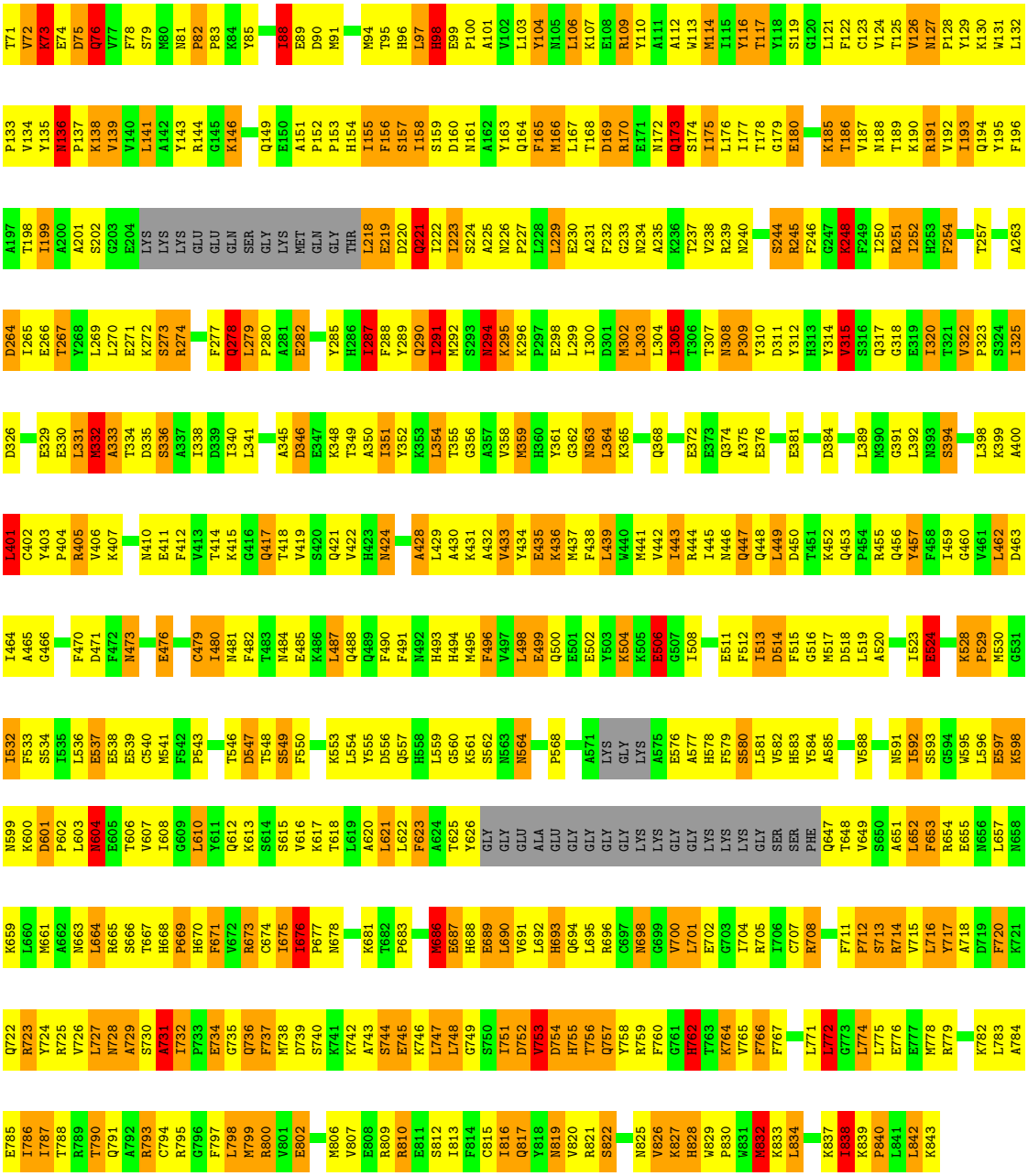
Chain 7-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

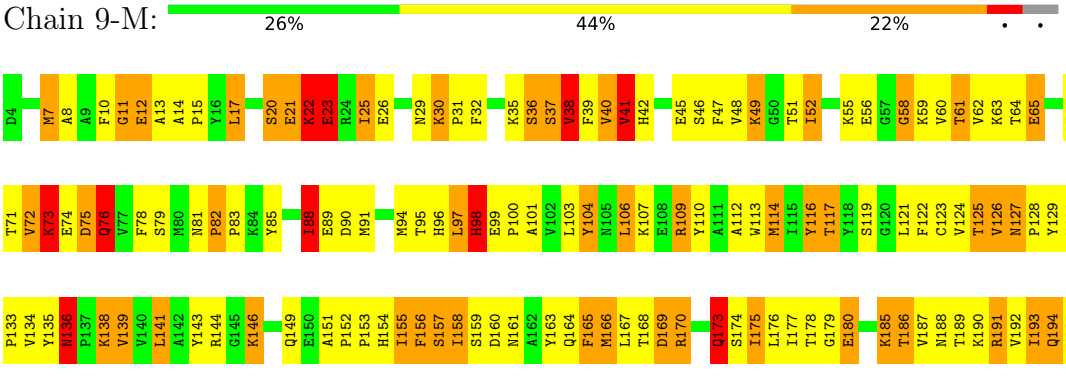
Chain 8-M:

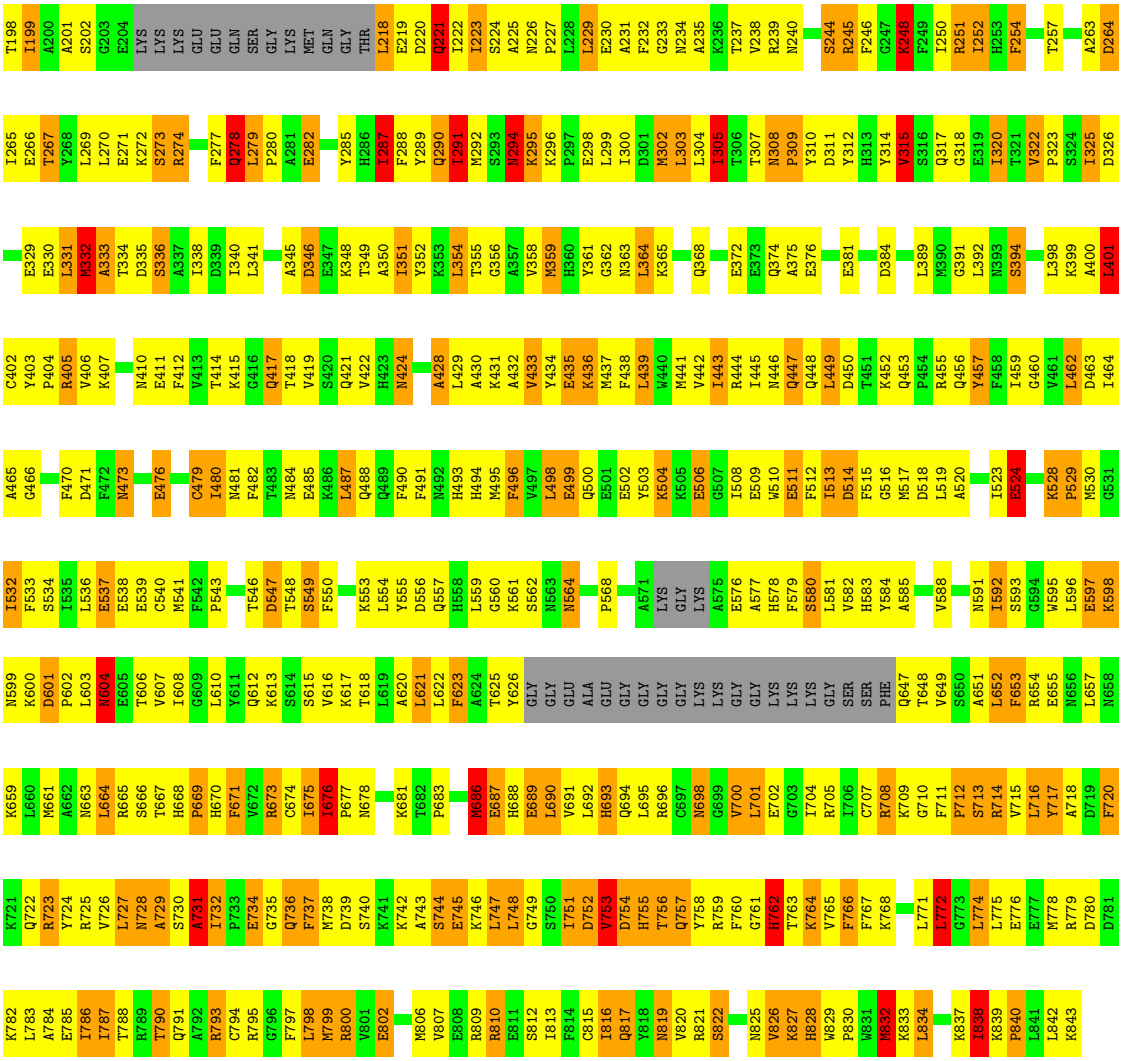




• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

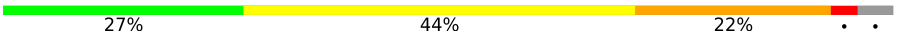
Chain 9-M:

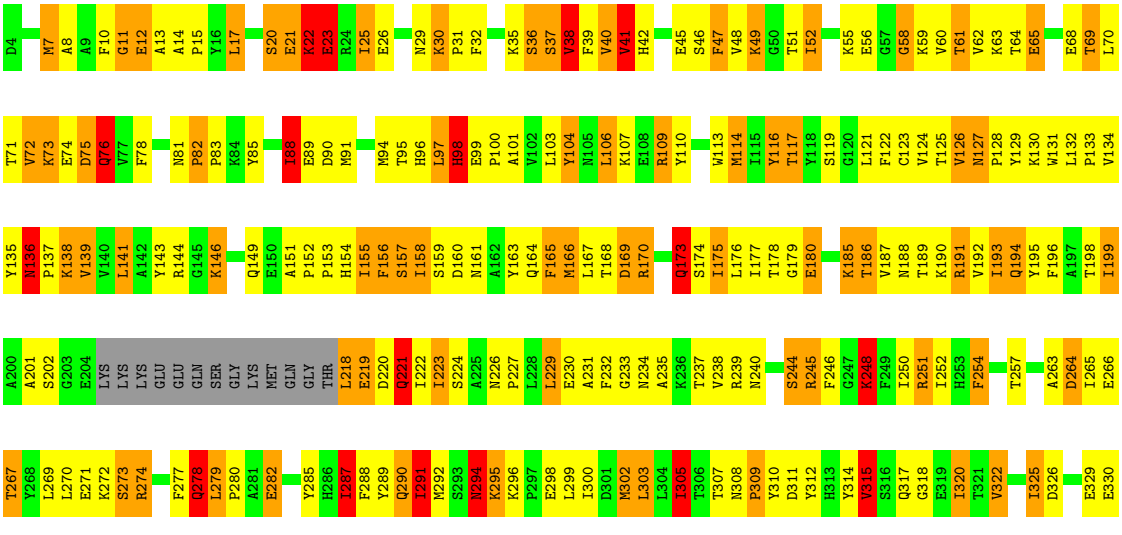


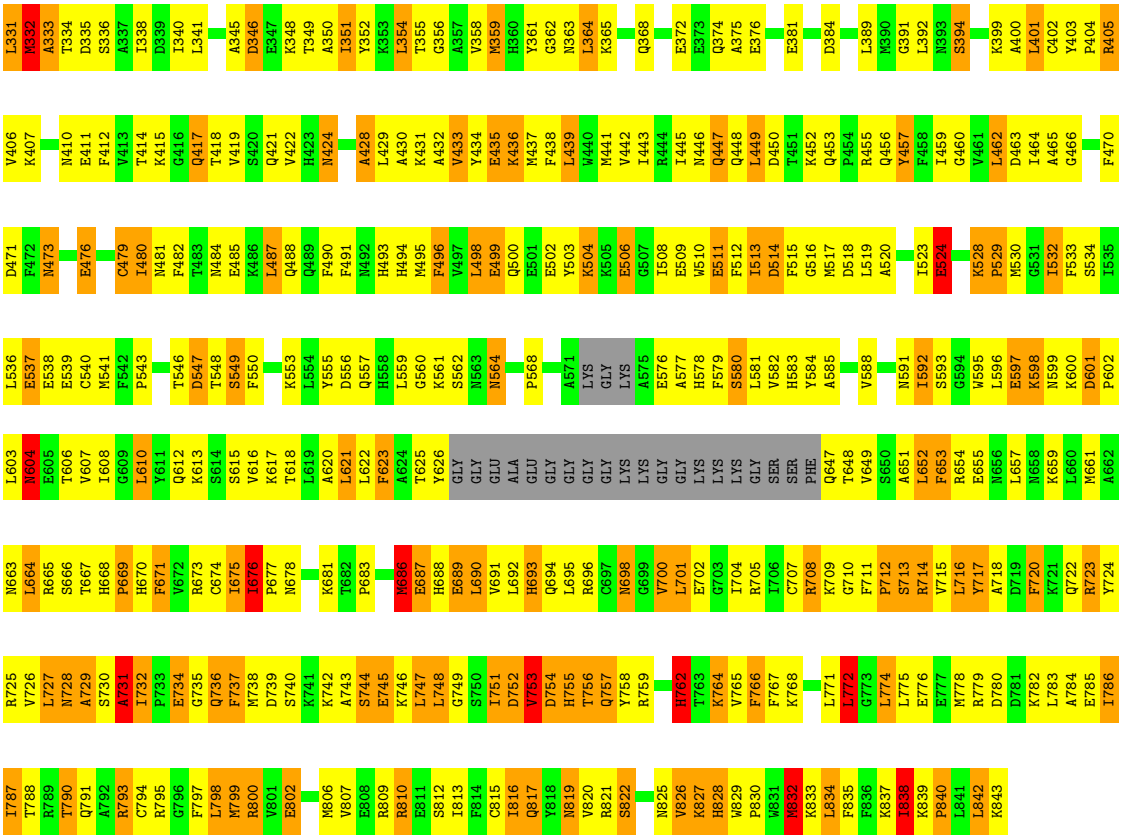


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 10-M:

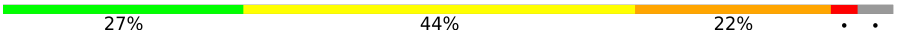


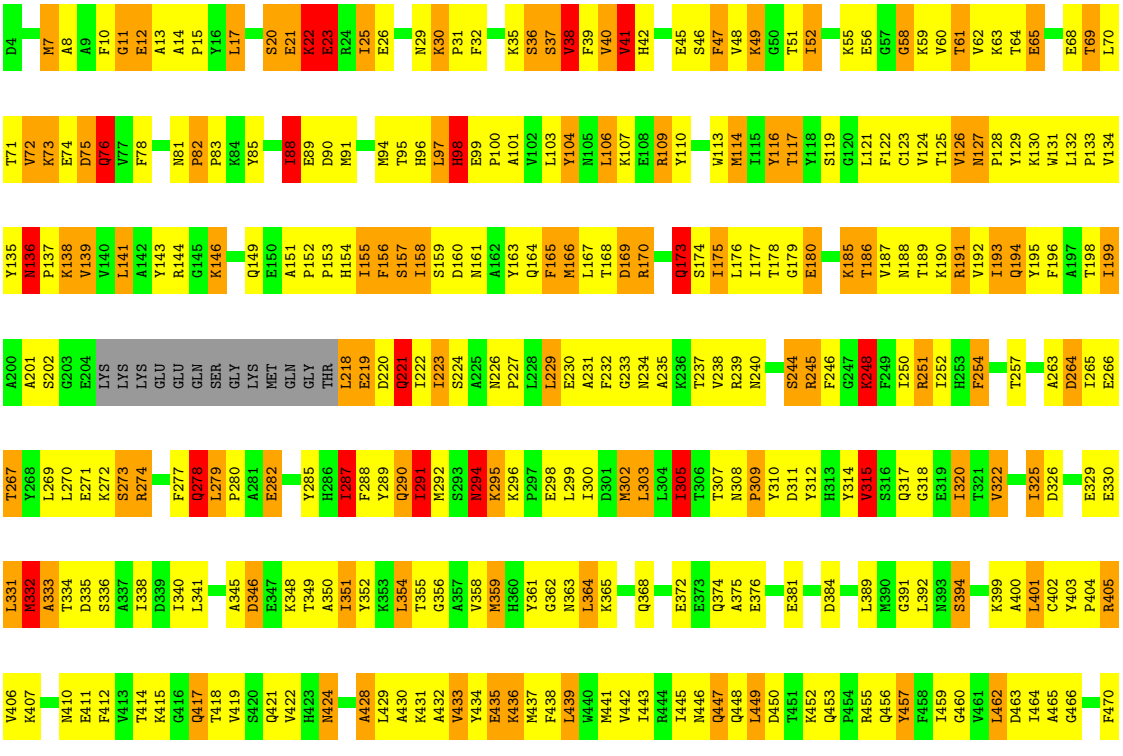


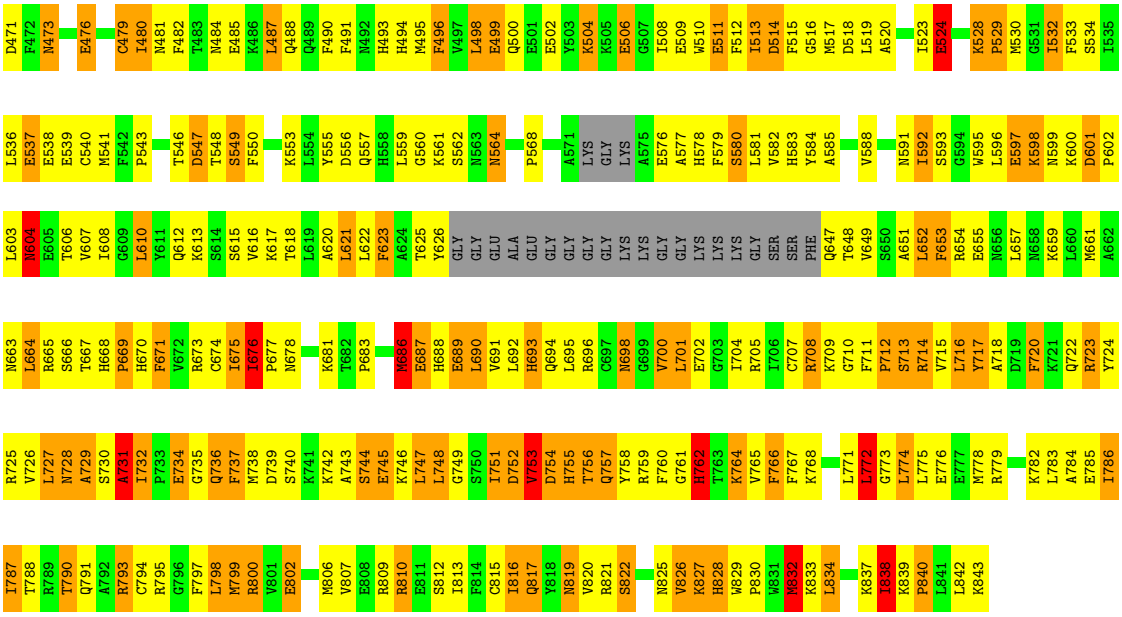


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 11-M:

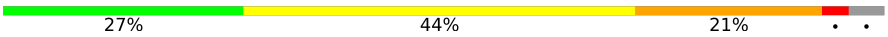


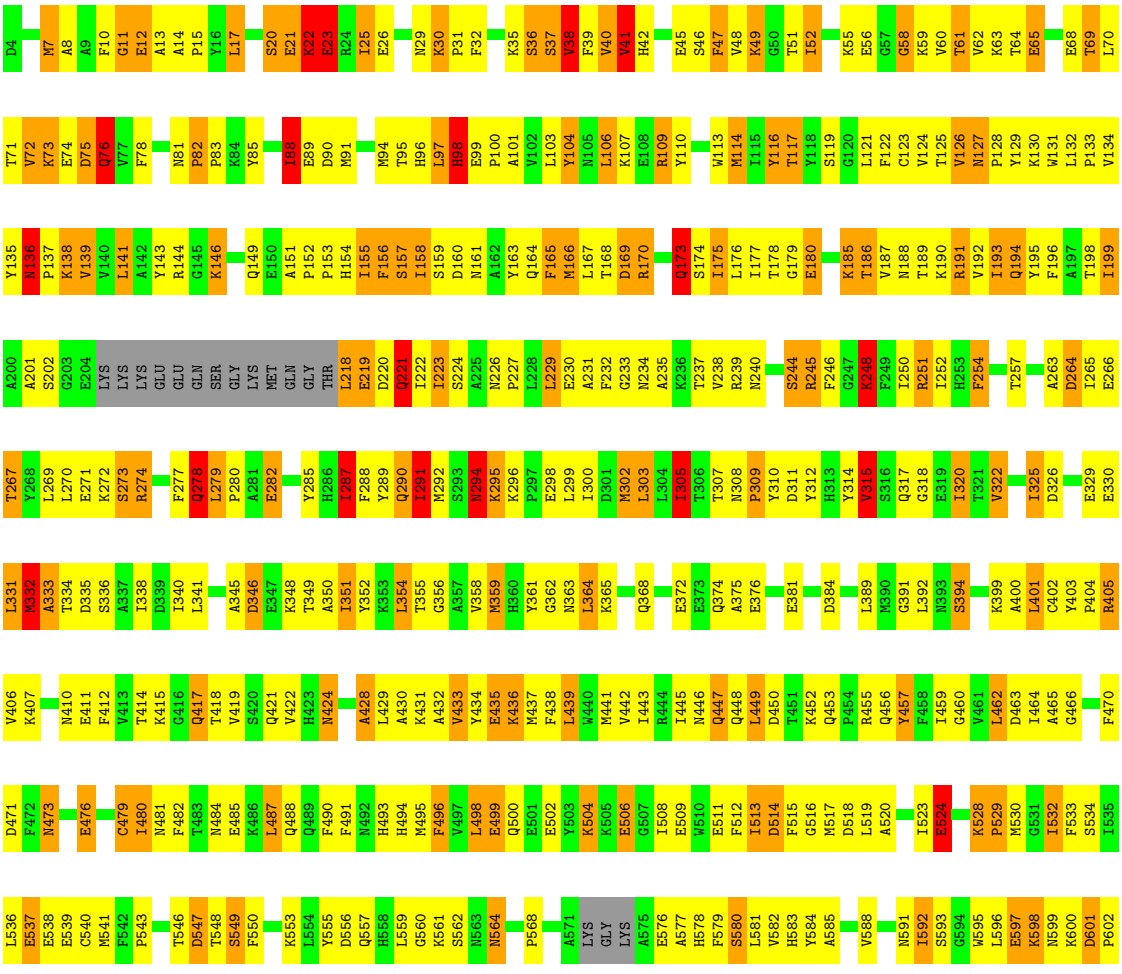


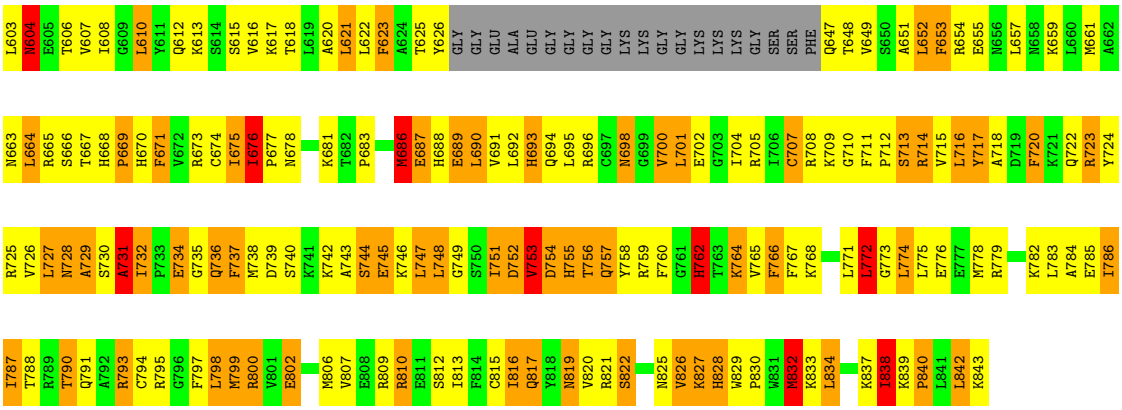


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 12-M:

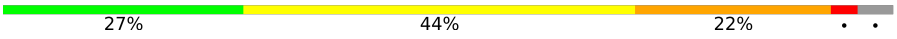


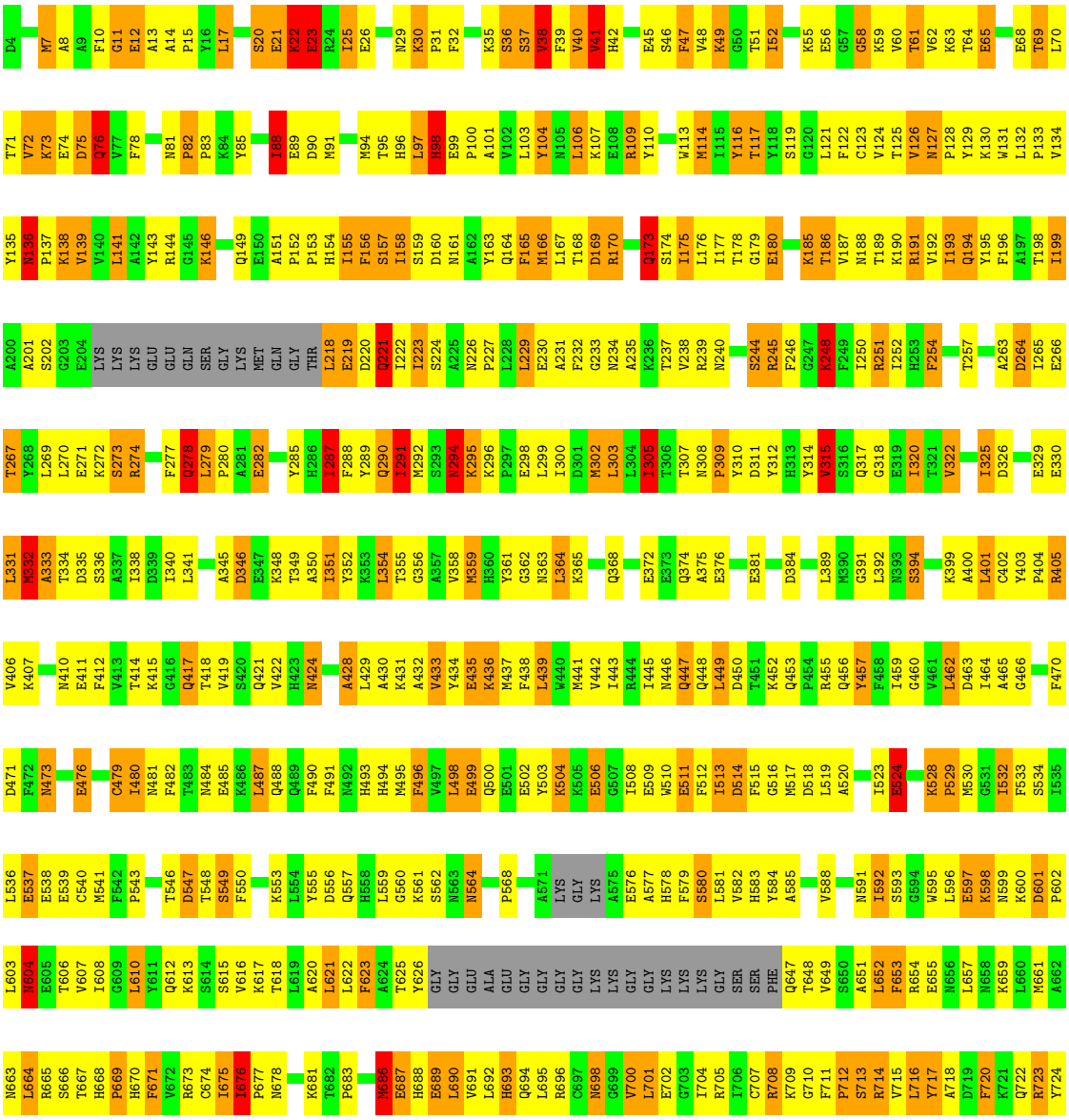


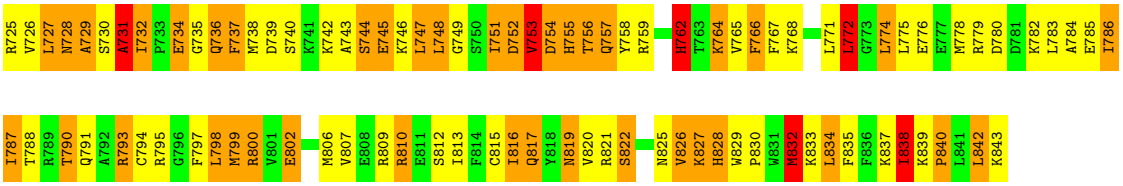


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 13-M:

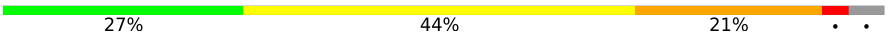


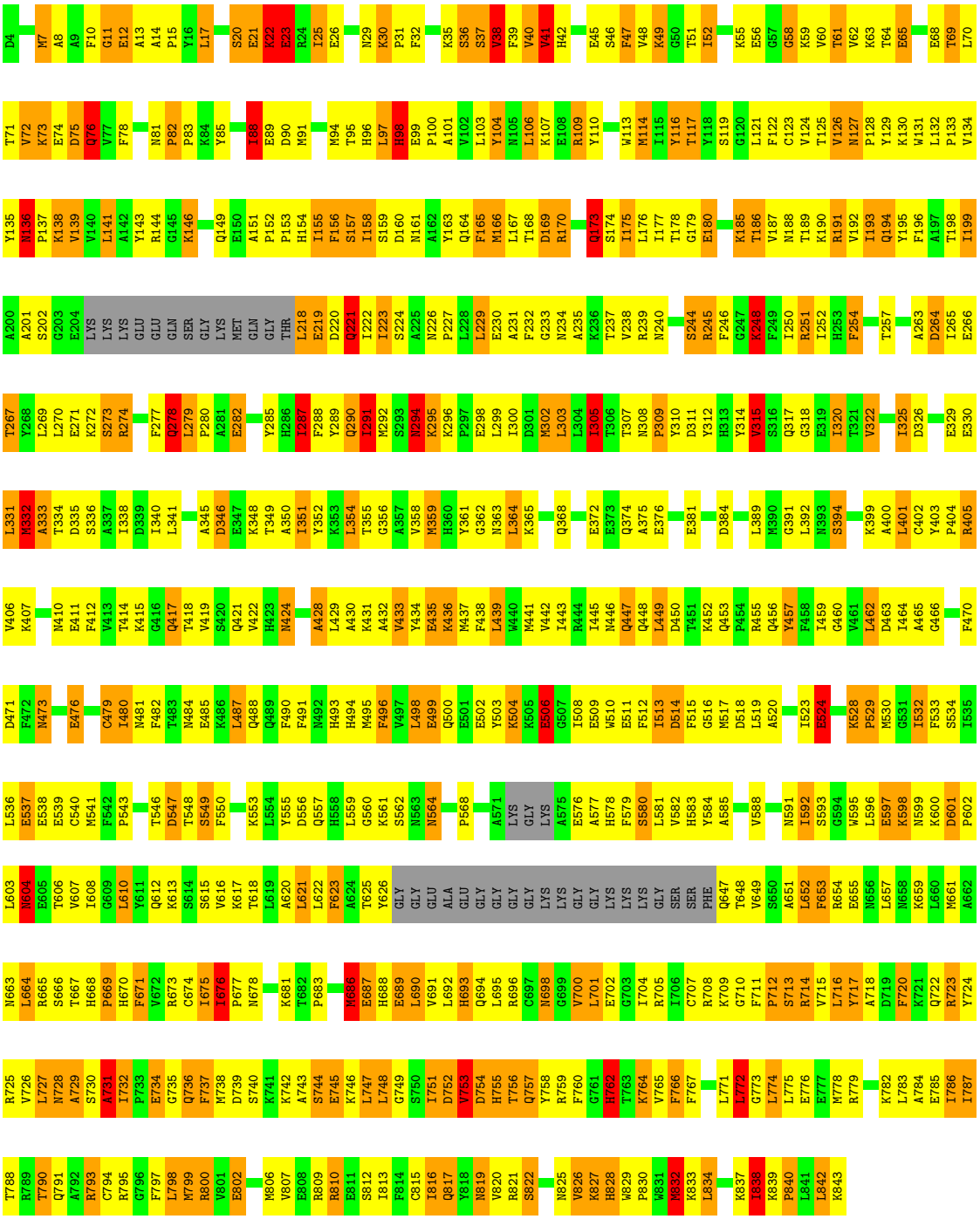




• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 14-M:





4 Experimental information (i)

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

5 Model quality (i)

5.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	2-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	3-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	4-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	5-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	6-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	7-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	8-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	9-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	10-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	11-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	12-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	13-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
1	14-B	0.80	1/1199 (0.1%)	2.28	57/1617 (3.5%)
2	1-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	2-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	3-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	4-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	5-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	6-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	7-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	8-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	9-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	10-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	11-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	12-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	13-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
2	14-C	0.84	3/1140 (0.3%)	2.16	60/1530 (3.9%)
3	1-M	1.63	22/6594 (0.3%)	1.87	139/8884 (1.6%)
3	2-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	3-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	4-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	5-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	6-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
3	7-M	1.63	22/6594 (0.3%)	1.87	139/8884 (1.6%)
3	8-M	1.63	22/6594 (0.3%)	1.87	139/8884 (1.6%)
3	9-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	10-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	11-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	12-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	13-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	14-M	1.63	22/6594 (0.3%)	1.87	139/8884 (1.6%)
All	All	1.46	364/125052 (0.3%)	1.97	3584/168404 (2.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	1-B	0	4
1	2-B	0	4
1	3-B	0	4
1	4-B	0	4
1	5-B	0	4
1	6-B	0	4
1	7-B	0	4
1	8-B	0	4
1	9-B	0	4
1	10-B	0	4
1	11-B	0	4
1	12-B	0	4
1	13-B	0	4
1	14-B	0	4
3	1-M	0	1
3	2-M	0	1
3	3-M	0	1
3	4-M	0	1
3	5-M	0	1
3	6-M	0	1
3	7-M	0	1
3	8-M	0	1
3	9-M	0	1
3	10-M	0	1
3	11-M	0	1
3	12-M	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
3	13-M	0	1
3	14-M	0	1
All	All	0	70

All (364) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	731	ALA	C-N	51.63	1.91	1.33
3	2-M	731	ALA	C-N	51.63	1.91	1.33
3	3-M	731	ALA	C-N	51.63	1.91	1.33
3	4-M	731	ALA	C-N	51.63	1.91	1.33
3	5-M	731	ALA	C-N	51.63	1.91	1.33
3	6-M	731	ALA	C-N	51.63	1.91	1.33
3	7-M	731	ALA	C-N	51.63	1.91	1.33
3	8-M	731	ALA	C-N	51.63	1.91	1.33
3	9-M	731	ALA	C-N	51.63	1.91	1.33
3	10-M	731	ALA	C-N	51.63	1.91	1.33
3	11-M	731	ALA	C-N	51.63	1.91	1.33
3	12-M	731	ALA	C-N	51.63	1.91	1.33
3	13-M	731	ALA	C-N	51.63	1.91	1.33
3	14-M	731	ALA	C-N	51.63	1.91	1.33
3	1-M	737	PHE	C-N	23.66	1.66	1.33
3	2-M	737	PHE	C-N	23.66	1.66	1.33
3	3-M	737	PHE	C-N	23.66	1.66	1.33
3	4-M	737	PHE	C-N	23.66	1.66	1.33
3	5-M	737	PHE	C-N	23.66	1.66	1.33
3	6-M	737	PHE	C-N	23.66	1.66	1.33
3	7-M	737	PHE	C-N	23.66	1.66	1.33
3	8-M	737	PHE	C-N	23.66	1.66	1.33
3	9-M	737	PHE	C-N	23.66	1.66	1.33
3	10-M	737	PHE	C-N	23.66	1.66	1.33
3	11-M	737	PHE	C-N	23.66	1.66	1.33
3	12-M	737	PHE	C-N	23.66	1.66	1.33
3	13-M	737	PHE	C-N	23.66	1.66	1.33
3	14-M	737	PHE	C-N	23.66	1.66	1.33
3	1-M	496	PHE	C-N	-7.13	1.25	1.33
3	2-M	496	PHE	C-N	-7.13	1.25	1.33
3	3-M	496	PHE	C-N	-7.13	1.25	1.33
3	4-M	496	PHE	C-N	-7.13	1.25	1.33
3	5-M	496	PHE	C-N	-7.13	1.25	1.33
3	6-M	496	PHE	C-N	-7.13	1.25	1.33
3	7-M	496	PHE	C-N	-7.13	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	496	PHE	C-N	-7.13	1.25	1.33
3	9-M	496	PHE	C-N	-7.13	1.25	1.33
3	10-M	496	PHE	C-N	-7.13	1.25	1.33
3	11-M	496	PHE	C-N	-7.13	1.25	1.33
3	12-M	496	PHE	C-N	-7.13	1.25	1.33
3	13-M	496	PHE	C-N	-7.13	1.25	1.33
3	14-M	496	PHE	C-N	-7.13	1.25	1.33
3	1-M	288	PHE	CA-C	-6.70	1.44	1.52
3	2-M	288	PHE	CA-C	-6.70	1.44	1.52
3	3-M	288	PHE	CA-C	-6.70	1.44	1.52
3	4-M	288	PHE	CA-C	-6.70	1.44	1.52
3	5-M	288	PHE	CA-C	-6.70	1.44	1.52
3	6-M	288	PHE	CA-C	-6.70	1.44	1.52
3	7-M	288	PHE	CA-C	-6.70	1.44	1.52
3	8-M	288	PHE	CA-C	-6.70	1.44	1.52
3	9-M	288	PHE	CA-C	-6.70	1.44	1.52
3	10-M	288	PHE	CA-C	-6.70	1.44	1.52
3	11-M	288	PHE	CA-C	-6.70	1.44	1.52
3	12-M	288	PHE	CA-C	-6.70	1.44	1.52
3	13-M	288	PHE	CA-C	-6.70	1.44	1.52
3	14-M	288	PHE	CA-C	-6.70	1.44	1.52
3	1-M	177	ILE	C-O	-6.69	1.16	1.24
3	2-M	177	ILE	C-O	-6.69	1.16	1.24
3	3-M	177	ILE	C-O	-6.69	1.16	1.24
3	4-M	177	ILE	C-O	-6.69	1.16	1.24
3	5-M	177	ILE	C-O	-6.69	1.16	1.24
3	6-M	177	ILE	C-O	-6.69	1.16	1.24
3	7-M	177	ILE	C-O	-6.69	1.16	1.24
3	8-M	177	ILE	C-O	-6.69	1.16	1.24
3	9-M	177	ILE	C-O	-6.69	1.16	1.24
3	10-M	177	ILE	C-O	-6.69	1.16	1.24
3	11-M	177	ILE	C-O	-6.69	1.16	1.24
3	12-M	177	ILE	C-O	-6.69	1.16	1.24
3	13-M	177	ILE	C-O	-6.69	1.16	1.24
3	14-M	177	ILE	C-O	-6.69	1.16	1.24
3	1-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	2-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	3-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	4-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	5-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	6-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	7-M	523	ILE	CA-CB	-6.67	1.46	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	9-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	10-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	11-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	12-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	13-M	523	ILE	CA-CB	-6.67	1.46	1.54
3	14-M	523	ILE	CA-CB	-6.67	1.46	1.54
1	1-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	2-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	3-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	4-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	5-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	6-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	7-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	8-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	9-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	10-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	11-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	12-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	13-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
1	14-B	159	HIS	CD2-NE2	-6.36	1.30	1.37
3	1-M	496	PHE	C-O	-6.25	1.16	1.24
3	2-M	496	PHE	C-O	-6.25	1.16	1.24
3	3-M	496	PHE	C-O	-6.25	1.16	1.24
3	4-M	496	PHE	C-O	-6.25	1.16	1.24
3	5-M	496	PHE	C-O	-6.25	1.16	1.24
3	6-M	496	PHE	C-O	-6.25	1.16	1.24
3	7-M	496	PHE	C-O	-6.25	1.16	1.24
3	8-M	496	PHE	C-O	-6.25	1.16	1.24
3	9-M	496	PHE	C-O	-6.25	1.16	1.24
3	10-M	496	PHE	C-O	-6.25	1.16	1.24
3	11-M	496	PHE	C-O	-6.25	1.16	1.24
3	12-M	496	PHE	C-O	-6.25	1.16	1.24
3	13-M	496	PHE	C-O	-6.25	1.16	1.24
3	14-M	496	PHE	C-O	-6.25	1.16	1.24
2	1-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	2-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	3-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	4-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	5-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	6-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	7-C	145	HIS	CD2-NE2	-6.14	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	8-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	9-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	10-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	11-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	12-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	13-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
2	14-C	145	HIS	CD2-NE2	-6.14	1.31	1.37
3	1-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	2-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	3-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	4-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	5-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	6-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	7-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	8-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	9-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	10-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	11-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	12-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	13-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	14-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	1-M	514	ASP	C-O	-5.84	1.17	1.23
3	2-M	514	ASP	C-O	-5.84	1.17	1.23
3	3-M	514	ASP	C-O	-5.84	1.17	1.23
3	4-M	514	ASP	C-O	-5.84	1.17	1.23
3	5-M	514	ASP	C-O	-5.84	1.17	1.23
3	6-M	514	ASP	C-O	-5.84	1.17	1.23
3	7-M	514	ASP	C-O	-5.84	1.17	1.23
3	8-M	514	ASP	C-O	-5.84	1.17	1.23
3	9-M	514	ASP	C-O	-5.84	1.17	1.23
3	10-M	514	ASP	C-O	-5.84	1.17	1.23
3	11-M	514	ASP	C-O	-5.84	1.17	1.23
3	12-M	514	ASP	C-O	-5.84	1.17	1.23
3	13-M	514	ASP	C-O	-5.84	1.17	1.23
3	14-M	514	ASP	C-O	-5.84	1.17	1.23
3	1-M	358	VAL	C-O	-5.75	1.17	1.24
3	2-M	358	VAL	C-O	-5.75	1.17	1.24
3	3-M	358	VAL	C-O	-5.75	1.17	1.24
3	4-M	358	VAL	C-O	-5.75	1.17	1.24
3	5-M	358	VAL	C-O	-5.75	1.17	1.24
3	6-M	358	VAL	C-O	-5.75	1.17	1.24
3	7-M	358	VAL	C-O	-5.75	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	358	VAL	C-O	-5.75	1.17	1.24
3	9-M	358	VAL	C-O	-5.75	1.17	1.24
3	10-M	358	VAL	C-O	-5.75	1.17	1.24
3	11-M	358	VAL	C-O	-5.75	1.17	1.24
3	12-M	358	VAL	C-O	-5.75	1.17	1.24
3	13-M	358	VAL	C-O	-5.75	1.17	1.24
3	14-M	358	VAL	C-O	-5.75	1.17	1.24
2	1-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	2-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	3-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	4-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	5-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	6-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	7-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	8-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	9-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	10-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	11-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	12-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	13-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
2	14-C	109	HIS	CD2-NE2	-5.72	1.31	1.37
3	1-M	671	PHE	C-O	-5.47	1.17	1.23
3	2-M	671	PHE	C-O	-5.47	1.17	1.23
3	3-M	671	PHE	C-O	-5.47	1.17	1.23
3	4-M	671	PHE	C-O	-5.47	1.17	1.23
3	5-M	671	PHE	C-O	-5.47	1.17	1.23
3	6-M	671	PHE	C-O	-5.47	1.17	1.23
3	7-M	671	PHE	C-O	-5.47	1.17	1.23
3	8-M	671	PHE	C-O	-5.47	1.17	1.23
3	9-M	671	PHE	C-O	-5.47	1.17	1.23
3	10-M	671	PHE	C-O	-5.47	1.17	1.23
3	11-M	671	PHE	C-O	-5.47	1.17	1.23
3	12-M	671	PHE	C-O	-5.47	1.17	1.23
3	13-M	671	PHE	C-O	-5.47	1.17	1.23
3	14-M	671	PHE	C-O	-5.47	1.17	1.23
3	1-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	2-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	3-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	4-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	5-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	6-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	7-M	417	GLN	CD-NE2	-5.46	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	9-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	10-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	11-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	12-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	13-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	14-M	417	GLN	CD-NE2	-5.46	1.21	1.33
3	1-M	482	PHE	C-O	-5.41	1.17	1.24
3	2-M	482	PHE	C-O	-5.41	1.17	1.24
3	3-M	482	PHE	C-O	-5.41	1.17	1.24
3	4-M	482	PHE	C-O	-5.41	1.17	1.24
3	5-M	482	PHE	C-O	-5.41	1.17	1.24
3	6-M	482	PHE	C-O	-5.41	1.17	1.24
3	7-M	482	PHE	C-O	-5.41	1.17	1.24
3	8-M	482	PHE	C-O	-5.41	1.17	1.24
3	9-M	482	PHE	C-O	-5.41	1.17	1.24
3	10-M	482	PHE	C-O	-5.41	1.17	1.24
3	11-M	482	PHE	C-O	-5.41	1.17	1.24
3	12-M	482	PHE	C-O	-5.41	1.17	1.24
3	13-M	482	PHE	C-O	-5.41	1.17	1.24
3	14-M	482	PHE	C-O	-5.41	1.17	1.24
3	1-M	340	ILE	CA-C	-5.30	1.45	1.52
3	2-M	340	ILE	CA-C	-5.30	1.45	1.52
3	3-M	340	ILE	CA-C	-5.30	1.45	1.52
3	4-M	340	ILE	CA-C	-5.30	1.45	1.52
3	5-M	340	ILE	CA-C	-5.30	1.45	1.52
3	6-M	340	ILE	CA-C	-5.30	1.45	1.52
3	7-M	340	ILE	CA-C	-5.30	1.45	1.52
3	8-M	340	ILE	CA-C	-5.30	1.45	1.52
3	9-M	340	ILE	CA-C	-5.30	1.45	1.52
3	10-M	340	ILE	CA-C	-5.30	1.45	1.52
3	11-M	340	ILE	CA-C	-5.30	1.45	1.52
3	12-M	340	ILE	CA-C	-5.30	1.45	1.52
3	13-M	340	ILE	CA-C	-5.30	1.45	1.52
3	14-M	340	ILE	CA-C	-5.30	1.45	1.52
3	1-M	104	TYR	C-O	-5.28	1.17	1.24
3	2-M	104	TYR	C-O	-5.28	1.17	1.24
3	3-M	104	TYR	C-O	-5.28	1.17	1.24
3	4-M	104	TYR	C-O	-5.28	1.17	1.24
3	5-M	104	TYR	C-O	-5.28	1.17	1.24
3	6-M	104	TYR	C-O	-5.28	1.17	1.24
3	7-M	104	TYR	C-O	-5.28	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	104	TYR	C-O	-5.28	1.17	1.24
3	9-M	104	TYR	C-O	-5.28	1.17	1.24
3	10-M	104	TYR	C-O	-5.28	1.17	1.24
3	11-M	104	TYR	C-O	-5.28	1.17	1.24
3	12-M	104	TYR	C-O	-5.28	1.17	1.24
3	13-M	104	TYR	C-O	-5.28	1.17	1.24
3	14-M	104	TYR	C-O	-5.28	1.17	1.24
3	1-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	2-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	3-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	4-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	5-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	6-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	7-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	8-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	9-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	10-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	11-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	12-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	13-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	14-M	476	GLU	CD-OE1	5.23	1.35	1.25
3	1-M	233	GLY	C-O	-5.19	1.20	1.24
3	2-M	233	GLY	C-O	-5.19	1.20	1.24
3	3-M	233	GLY	C-O	-5.19	1.20	1.24
3	4-M	233	GLY	C-O	-5.19	1.20	1.24
3	5-M	233	GLY	C-O	-5.19	1.20	1.24
3	6-M	233	GLY	C-O	-5.19	1.20	1.24
3	7-M	233	GLY	C-O	-5.19	1.20	1.24
3	8-M	233	GLY	C-O	-5.19	1.20	1.24
3	9-M	233	GLY	C-O	-5.19	1.20	1.24
3	10-M	233	GLY	C-O	-5.19	1.20	1.24
3	11-M	233	GLY	C-O	-5.19	1.20	1.24
3	12-M	233	GLY	C-O	-5.19	1.20	1.24
3	13-M	233	GLY	C-O	-5.19	1.20	1.24
3	14-M	233	GLY	C-O	-5.19	1.20	1.24
3	1-M	252	ILE	CA-C	-5.11	1.47	1.52
3	2-M	252	ILE	CA-C	-5.11	1.47	1.52
3	3-M	252	ILE	CA-C	-5.11	1.47	1.52
3	4-M	252	ILE	CA-C	-5.11	1.47	1.52
3	5-M	252	ILE	CA-C	-5.11	1.47	1.52
3	6-M	252	ILE	CA-C	-5.11	1.47	1.52
3	7-M	252	ILE	CA-C	-5.11	1.47	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	252	ILE	CA-C	-5.11	1.47	1.52
3	9-M	252	ILE	CA-C	-5.11	1.47	1.52
3	10-M	252	ILE	CA-C	-5.11	1.47	1.52
3	11-M	252	ILE	CA-C	-5.11	1.47	1.52
3	12-M	252	ILE	CA-C	-5.11	1.47	1.52
3	13-M	252	ILE	CA-C	-5.11	1.47	1.52
3	14-M	252	ILE	CA-C	-5.11	1.47	1.52
3	1-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	2-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	3-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	4-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	5-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	6-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	7-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	8-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	9-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	10-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	11-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	12-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	13-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	14-M	309	PRO	CA-CB	-5.10	1.46	1.53
3	1-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	2-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	3-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	4-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	5-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	6-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	7-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	8-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	9-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	10-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	11-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	12-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	13-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	14-M	576	GLU	CD-OE1	5.07	1.34	1.25
3	1-M	766	PHE	N-CA	-5.06	1.39	1.46
3	2-M	766	PHE	N-CA	-5.06	1.39	1.46
3	3-M	766	PHE	N-CA	-5.06	1.39	1.46
3	4-M	766	PHE	N-CA	-5.06	1.39	1.46
3	5-M	766	PHE	N-CA	-5.06	1.39	1.46
3	6-M	766	PHE	N-CA	-5.06	1.39	1.46
3	7-M	766	PHE	N-CA	-5.06	1.39	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	766	PHE	N-CA	-5.06	1.39	1.46
3	9-M	766	PHE	N-CA	-5.06	1.39	1.46
3	10-M	766	PHE	N-CA	-5.06	1.39	1.46
3	11-M	766	PHE	N-CA	-5.06	1.39	1.46
3	12-M	766	PHE	N-CA	-5.06	1.39	1.46
3	13-M	766	PHE	N-CA	-5.06	1.39	1.46
3	14-M	766	PHE	N-CA	-5.06	1.39	1.46
2	1-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	2-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	3-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	4-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	5-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	6-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	7-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	8-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	9-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	10-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	11-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	12-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	13-C	109	HIS	CG-ND1	-5.04	1.32	1.38
2	14-C	109	HIS	CG-ND1	-5.04	1.32	1.38
3	1-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	2-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	3-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	4-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	5-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	6-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	7-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	8-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	9-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	10-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	11-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	12-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	13-M	41	VAL	CA-CB	-5.04	1.49	1.54
3	14-M	41	VAL	CA-CB	-5.04	1.49	1.54

All (3584) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	2-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	3-M	731	ALA	O-C-N	-34.23	77.07	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	5-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	6-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	7-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	8-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	9-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	10-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	11-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	12-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	13-M	731	ALA	O-C-N	-34.23	77.07	122.59
3	14-M	731	ALA	O-C-N	-34.23	77.07	122.59
1	1-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	2-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	3-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	4-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	5-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	6-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	7-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	8-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	9-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	10-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	11-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	12-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	13-B	141	PRO	N-CA-C	27.78	144.59	110.70
1	14-B	141	PRO	N-CA-C	27.78	144.59	110.70
3	1-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	1-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	2-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	2-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	3-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	3-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	4-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	4-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	5-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	5-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	6-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	6-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	7-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	7-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	8-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	8-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	9-M	428	ALA	CA-C-N	-22.03	82.04	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	10-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	10-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	11-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	11-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	12-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	12-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	13-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	13-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	14-M	428	ALA	CA-C-N	-22.03	82.04	121.70
3	14-M	428	ALA	C-N-CA	-22.03	82.04	121.70
3	1-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	1-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	2-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	2-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	3-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	3-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	4-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	4-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	5-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	5-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	6-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	6-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	7-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	7-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	8-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	8-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	9-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	9-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	10-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	10-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	11-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	11-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	12-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	12-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	13-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	13-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	14-M	737	PHE	CA-C-N	-19.23	91.57	122.53
3	14-M	737	PHE	C-N-CA	-19.23	91.57	122.53
3	1-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	2-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	3-M	428	ALA	O-C-N	-13.73	101.04	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	5-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	6-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	7-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	8-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	9-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	10-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	11-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	12-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	13-M	428	ALA	O-C-N	-13.73	101.04	123.00
3	14-M	428	ALA	O-C-N	-13.73	101.04	123.00
1	1-B	17	SER	N-CA-C	12.83	125.34	111.36
1	2-B	17	SER	N-CA-C	12.83	125.34	111.36
1	3-B	17	SER	N-CA-C	12.83	125.34	111.36
1	4-B	17	SER	N-CA-C	12.83	125.34	111.36
1	5-B	17	SER	N-CA-C	12.83	125.34	111.36
1	6-B	17	SER	N-CA-C	12.83	125.34	111.36
1	7-B	17	SER	N-CA-C	12.83	125.34	111.36
1	8-B	17	SER	N-CA-C	12.83	125.34	111.36
1	9-B	17	SER	N-CA-C	12.83	125.34	111.36
1	10-B	17	SER	N-CA-C	12.83	125.34	111.36
1	11-B	17	SER	N-CA-C	12.83	125.34	111.36
1	12-B	17	SER	N-CA-C	12.83	125.34	111.36
1	13-B	17	SER	N-CA-C	12.83	125.34	111.36
1	14-B	17	SER	N-CA-C	12.83	125.34	111.36
1	1-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	2-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	3-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	4-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	5-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	6-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	7-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	8-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	9-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	10-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	11-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	12-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	13-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	14-B	143	ASP	CA-CB-CG	12.53	125.13	112.60
1	1-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	2-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	3-B	141	PRO	CA-N-CD	-12.14	95.00	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	5-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	6-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	7-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	8-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	9-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	10-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	11-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	12-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	13-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	14-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	1-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	2-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	3-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	4-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	5-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	6-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	7-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	8-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	9-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	10-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	11-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	12-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	13-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
1	14-B	147	ASN	CA-CB-CG	12.04	124.64	112.60
3	1-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	2-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	3-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	4-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	5-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	6-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	7-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	8-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	9-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	10-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	11-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	12-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	13-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
3	14-M	98	HIS	CB-CA-C	-11.85	87.28	111.22
2	1-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	2-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	3-C	88	VAL	N-CA-C	-10.74	103.20	111.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	5-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	6-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	7-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	8-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	9-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	10-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	11-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	12-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	13-C	88	VAL	N-CA-C	-10.74	103.20	111.90
2	14-C	88	VAL	N-CA-C	-10.74	103.20	111.90
3	1-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	2-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	3-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	4-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	5-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	6-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	7-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	8-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	9-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	10-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	11-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	12-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	13-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	14-M	320	ILE	CB-CA-C	-10.32	100.79	110.91
3	1-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	2-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	3-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	4-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	5-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	6-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	7-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	8-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	9-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	10-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	11-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	12-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	13-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
3	14-M	653	PHE	CA-CB-CG	-10.15	103.65	113.80
1	1-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	2-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	3-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	5-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	6-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	7-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	8-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	9-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	10-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	11-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	12-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	13-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	14-B	147	ASN	OD1-CG-ND2	-9.98	112.62	122.60
1	1-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	2-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	3-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	4-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	5-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	6-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	7-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	8-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	9-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	10-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	11-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	12-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	13-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	14-B	141	PRO	N-CA-CB	-9.81	93.57	103.08
1	1-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	2-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	3-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	4-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	5-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	6-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	7-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	8-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	9-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	10-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	11-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	12-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	13-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
1	14-B	128	PHE	CA-CB-CG	-9.76	104.04	113.80
3	1-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	2-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	3-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	5-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	6-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	7-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	8-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	9-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	10-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	11-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	12-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	13-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
3	14-M	693	HIS	CA-CB-CG	-9.63	104.17	113.80
1	1-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	2-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	3-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	4-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	5-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	6-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	7-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	8-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	9-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	10-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	11-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	12-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	13-B	19	PHE	N-CA-C	9.49	124.34	111.24
1	14-B	19	PHE	N-CA-C	9.49	124.34	111.24
3	1-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	2-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	3-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	4-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	5-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	6-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	7-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	8-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	9-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	10-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	11-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	12-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	13-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
3	14-M	604	ASN	CA-CB-CG	9.46	122.06	112.60
1	1-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	2-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	3-B	109	LYS	N-CA-C	9.01	129.99	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	5-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	6-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	7-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	8-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	9-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	10-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	11-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	12-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	13-B	109	LYS	N-CA-C	9.01	129.99	110.80
1	14-B	109	LYS	N-CA-C	9.01	129.99	110.80
2	1-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	2-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	3-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	4-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	5-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	6-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	7-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	8-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	9-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	10-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	11-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	12-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	13-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	14-C	29	GLN	OE1-CD-NE2	-8.96	113.64	122.60
2	1-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	2-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	3-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	4-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	5-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	6-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	7-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	8-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	9-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	10-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	11-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	12-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	13-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
2	14-C	39	GLN	OE1-CD-NE2	-8.88	113.72	122.60
3	1-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	2-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	3-M	264	ASP	CB-CA-C	-8.71	100.64	111.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	5-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	6-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	7-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	8-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	9-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	10-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	11-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	12-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	13-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
3	14-M	264	ASP	CB-CA-C	-8.71	100.64	111.43
2	1-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	2-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	3-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	4-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	5-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	6-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	7-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	8-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	9-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	10-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	11-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	12-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	13-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
2	14-C	99	ASN	OD1-CG-ND2	-8.60	114.00	122.60
1	1-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	2-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	3-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	4-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	5-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	6-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	7-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	8-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	9-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	10-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	11-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	12-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	13-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
1	14-B	105	ASP	CA-CB-CG	8.57	121.17	112.60
3	1-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	2-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	3-M	752	ASP	CA-CB-CG	8.50	121.10	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	5-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	6-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	7-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	8-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	9-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	10-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	11-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	12-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	13-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	14-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	1-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	2-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	3-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	4-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	5-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	6-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	7-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	8-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	9-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	10-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	11-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	12-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	13-M	784	ALA	N-CA-C	-8.43	102.05	111.07
3	14-M	784	ALA	N-CA-C	-8.43	102.05	111.07
2	1-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	2-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	3-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	4-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	5-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	6-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	7-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	8-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	9-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	10-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	11-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	12-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	13-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	14-C	47	ASN	OD1-CG-ND2	-8.42	114.18	122.60
2	1-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	2-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	3-C	40	ASN	N-CA-C	8.41	119.28	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	5-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	6-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	7-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	8-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	9-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	10-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	11-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	12-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	13-C	40	ASN	N-CA-C	8.41	119.28	109.60
2	14-C	40	ASN	N-CA-C	8.41	119.28	109.60
3	1-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	2-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	3-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	4-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	5-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	6-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	7-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	8-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	9-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	10-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	11-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	12-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	13-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	14-M	75	ASP	N-CA-CB	8.29	123.06	110.79
3	1-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	2-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	3-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	4-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	5-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	6-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	7-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	8-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	9-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	10-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	11-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	12-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	13-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	14-M	264	ASP	N-CA-CB	-8.25	98.16	110.86
3	1-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	2-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	3-M	752	ASP	CB-CA-C	8.23	121.34	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	5-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	6-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	7-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	8-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	9-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	10-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	11-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	12-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	13-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	14-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	1-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	2-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	3-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	4-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	5-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	6-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	7-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	8-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	9-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	10-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	11-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	12-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	13-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	14-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
1	1-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	2-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	3-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	4-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	5-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	6-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	7-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	8-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	9-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	10-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	11-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	12-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	13-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	14-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
3	1-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	2-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	3-M	756	THR	N-CA-CB	-8.17	97.80	110.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	5-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	6-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	7-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	8-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	9-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	10-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	11-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	12-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	13-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	14-M	756	THR	N-CA-CB	-8.17	97.80	110.39
3	1-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	2-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	3-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	4-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	5-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	6-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	7-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	8-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	9-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	10-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	11-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	12-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	13-M	315	VAL	N-CA-C	8.09	119.85	112.17
3	14-M	315	VAL	N-CA-C	8.09	119.85	112.17
2	1-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	2-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	3-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	4-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	5-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	6-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	7-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	8-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	9-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	10-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	11-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	12-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	13-C	87	PHE	N-CA-C	8.01	122.63	113.02
2	14-C	87	PHE	N-CA-C	8.01	122.63	113.02
3	1-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	2-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	3-M	547	ASP	N-CA-C	-7.97	102.54	111.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	5-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	6-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	7-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	8-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	9-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	10-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	11-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	12-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	13-M	547	ASP	N-CA-C	-7.97	102.54	111.07
3	14-M	547	ASP	N-CA-C	-7.97	102.54	111.07
1	1-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	2-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	3-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	4-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	5-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	6-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	7-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	8-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	9-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	10-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	11-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	12-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	13-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
1	14-B	152	ASN	OD1-CG-ND2	-7.96	114.64	122.60
2	1-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	2-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	3-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	4-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	5-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	6-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	7-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	8-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	9-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	10-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	11-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	12-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	13-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
2	14-C	40	ASN	OD1-CG-ND2	-7.82	114.78	122.60
1	1-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	2-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	3-B	162	ASP	CA-CB-CG	7.82	120.42	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	5-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	6-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	7-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	8-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	9-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	10-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	11-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	12-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	13-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
1	14-B	162	ASP	CA-CB-CG	7.82	120.42	112.60
3	1-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	2-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	3-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	4-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	5-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	6-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	7-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	8-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	9-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	10-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	11-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	12-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	13-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
3	14-M	473	ASN	CA-CB-CG	-7.81	104.79	112.60
2	1-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	2-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	3-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	4-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	5-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	6-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	7-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	8-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	9-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	10-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	11-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	12-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	13-C	6	GLU	N-CA-C	7.79	127.39	110.80
2	14-C	6	GLU	N-CA-C	7.79	127.39	110.80
3	1-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	2-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	3-M	447	GLN	N-CA-CB	7.74	121.49	110.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	5-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	6-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	7-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	8-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	9-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	10-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	11-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	12-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	13-M	447	GLN	N-CA-CB	7.74	121.49	110.12
3	14-M	447	GLN	N-CA-CB	7.74	121.49	110.12
2	1-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	2-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	3-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	4-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	5-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	6-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	7-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	8-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	9-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	10-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	11-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	12-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	13-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
2	14-C	95	ASP	CA-CB-CG	7.71	120.31	112.60
3	1-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	2-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	3-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	4-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	5-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	6-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	7-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	8-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	9-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	10-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	11-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	12-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	13-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
3	14-M	800	ARG	NE-CZ-NH2	-7.68	112.29	119.20
2	1-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	2-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	3-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	5-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	6-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	7-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	8-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	9-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	10-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	11-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	12-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	13-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	14-C	59	ASN	OD1-CG-ND2	-7.67	114.93	122.60
2	1-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	2-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	3-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	4-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	5-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	6-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	7-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	8-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	9-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	10-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	11-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	12-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	13-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
2	14-C	87	PHE	CA-CB-CG	-7.58	106.22	113.80
3	1-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	2-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	3-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	4-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	5-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	6-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	7-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	8-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	9-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	10-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	11-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	12-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	13-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
3	14-M	698	ASN	CB-CA-C	-7.54	98.12	110.79
1	1-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	2-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	3-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	5-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	6-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	7-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	8-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	9-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	10-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	11-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	12-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	13-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
1	14-B	58	ASN	OD1-CG-ND2	-7.53	115.07	122.60
2	1-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	2-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	3-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	4-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	5-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	6-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	7-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	8-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	9-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	10-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	11-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	12-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	13-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
2	14-C	134	ASN	OD1-CG-ND2	-7.46	115.14	122.60
1	1-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	2-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	3-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	4-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	5-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	6-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	7-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	8-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	9-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	10-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	11-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	12-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	13-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
1	14-B	36	GLN	OE1-CD-NE2	-7.29	115.31	122.60
3	1-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	2-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	3-M	732	ILE	N-CA-C	7.27	124.59	108.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	5-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	6-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	7-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	8-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	9-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	10-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	11-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	12-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	13-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	14-M	732	ILE	N-CA-C	7.27	124.59	108.88
3	1-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	2-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	3-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	4-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	5-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	6-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	7-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	8-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	9-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	10-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	11-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	12-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	13-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
3	14-M	736	GLN	OE1-CD-NE2	-7.20	115.40	122.60
2	1-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	1-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	2-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	2-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	3-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	3-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	4-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	4-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	5-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	5-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	6-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	6-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	7-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	7-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	8-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	8-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	9-C	6	GLU	CA-C-N	7.20	134.93	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	9-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	10-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	10-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	11-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	11-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	12-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	12-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	13-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	13-C	6	GLU	C-N-CA	7.20	134.93	121.97
2	14-C	6	GLU	CA-C-N	7.20	134.93	121.97
2	14-C	6	GLU	C-N-CA	7.20	134.93	121.97
3	1-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	1-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	2-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	2-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	3-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	3-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	4-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	4-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	5-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	5-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	6-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	6-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	7-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	7-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	8-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	8-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	9-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	9-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	10-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	10-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	11-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	11-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	12-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	12-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	13-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	13-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	14-M	506	GLU	CA-C-N	-7.20	112.70	122.63
3	14-M	506	GLU	C-N-CA	-7.20	112.70	122.63
3	1-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	2-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	3-M	76	GLN	N-CA-C	-7.19	102.83	113.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	5-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	6-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	7-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	8-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	9-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	10-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	11-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	12-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	13-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	14-M	76	GLN	N-CA-C	-7.19	102.83	113.61
1	1-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	2-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	3-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	4-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	5-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	6-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	7-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	8-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	9-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	10-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	11-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	12-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	13-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	14-B	80	PHE	CA-CB-CG	7.08	120.88	113.80
1	1-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	2-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	3-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	4-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	5-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	6-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	7-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	8-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	9-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	10-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	11-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	12-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	13-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	14-B	35	ASP	CA-CB-CG	7.05	119.66	112.60
1	1-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	2-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	3-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	5-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	6-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	7-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	8-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	9-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	10-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	11-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	12-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	13-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	14-B	14	ASN	OD1-CG-ND2	-7.05	115.55	122.60
1	1-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	2-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	3-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	4-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	5-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	6-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	7-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	8-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	9-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	10-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	11-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	12-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	13-B	112	ILE	N-CA-C	7.02	123.94	109.34
1	14-B	112	ILE	N-CA-C	7.02	123.94	109.34
3	1-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	1-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	2-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	2-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	3-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	3-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	4-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	4-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	5-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	5-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	6-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	6-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	7-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	7-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	8-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	8-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	9-M	686	MET	CA-C-N	-6.98	111.44	121.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	10-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	10-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	11-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	11-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	12-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	12-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	13-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	13-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	14-M	686	MET	CA-C-N	-6.98	111.44	121.42
3	14-M	686	MET	C-N-CA	-6.98	111.44	121.42
3	1-M	652	LEU	O-C-N	6.94	130.16	122.11
3	2-M	652	LEU	O-C-N	6.94	130.16	122.11
3	3-M	652	LEU	O-C-N	6.94	130.16	122.11
3	4-M	652	LEU	O-C-N	6.94	130.16	122.11
3	5-M	652	LEU	O-C-N	6.94	130.16	122.11
3	6-M	652	LEU	O-C-N	6.94	130.16	122.11
3	7-M	652	LEU	O-C-N	6.94	130.16	122.11
3	8-M	652	LEU	O-C-N	6.94	130.16	122.11
3	9-M	652	LEU	O-C-N	6.94	130.16	122.11
3	10-M	652	LEU	O-C-N	6.94	130.16	122.11
3	11-M	652	LEU	O-C-N	6.94	130.16	122.11
3	12-M	652	LEU	O-C-N	6.94	130.16	122.11
3	13-M	652	LEU	O-C-N	6.94	130.16	122.11
3	14-M	652	LEU	O-C-N	6.94	130.16	122.11
1	1-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	1-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	2-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	2-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	3-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	3-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	4-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	4-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	5-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	5-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	6-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	6-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	7-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	7-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	8-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	8-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	9-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	9-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	10-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	10-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	11-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	11-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	12-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	12-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	13-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	13-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	14-B	15	VAL	CA-CB-CG2	-6.92	98.64	110.40
2	14-C	9	ASP	CA-CB-CG	6.92	119.52	112.60
1	1-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	2-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	3-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	4-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	5-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	6-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	7-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	8-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	9-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	10-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	11-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	12-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	13-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	14-B	76	ASN	OD1-CG-ND2	-6.91	115.69	122.60
1	1-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	2-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	3-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	4-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	5-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	6-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	7-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	8-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	9-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	10-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	11-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	12-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	13-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	14-B	161	GLU	N-CA-C	6.86	120.87	112.23
1	1-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	2-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	3-B	159	HIS	N-CA-C	6.85	120.95	112.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	5-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	6-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	7-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	8-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	9-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	10-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	11-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	12-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	13-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	14-B	159	HIS	N-CA-C	6.85	120.95	112.59
1	1-B	111	SER	N-CA-C	6.84	119.36	110.53
1	2-B	111	SER	N-CA-C	6.84	119.36	110.53
1	3-B	111	SER	N-CA-C	6.84	119.36	110.53
1	4-B	111	SER	N-CA-C	6.84	119.36	110.53
1	5-B	111	SER	N-CA-C	6.84	119.36	110.53
1	6-B	111	SER	N-CA-C	6.84	119.36	110.53
1	7-B	111	SER	N-CA-C	6.84	119.36	110.53
1	8-B	111	SER	N-CA-C	6.84	119.36	110.53
1	9-B	111	SER	N-CA-C	6.84	119.36	110.53
1	10-B	111	SER	N-CA-C	6.84	119.36	110.53
1	11-B	111	SER	N-CA-C	6.84	119.36	110.53
1	12-B	111	SER	N-CA-C	6.84	119.36	110.53
1	13-B	111	SER	N-CA-C	6.84	119.36	110.53
1	14-B	111	SER	N-CA-C	6.84	119.36	110.53
3	1-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	1-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	2-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	2-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	3-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	3-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	4-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	4-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	5-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	5-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	6-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	6-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	7-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	7-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	8-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	8-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	9-M	676	ILE	CA-C-N	6.83	128.37	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	10-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	10-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	11-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	11-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	12-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	12-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	13-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	13-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	14-M	676	ILE	CA-C-N	6.83	128.37	119.84
3	14-M	676	ILE	C-N-CA	6.83	128.37	119.84
3	1-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	1-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	2-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	2-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	3-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	3-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	4-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	4-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	5-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	5-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	6-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	6-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	7-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	7-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	8-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	8-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	9-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	9-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	10-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	10-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	11-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	11-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	12-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	12-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	13-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	13-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	14-M	529	PRO	CA-C-N	-6.83	111.73	122.65
3	14-M	529	PRO	C-N-CA	-6.83	111.73	122.65
3	1-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	2-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	3-M	623	PHE	CA-CB-CG	6.82	120.61	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	5-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	6-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	7-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	8-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	9-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	10-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	11-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	12-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	13-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
3	14-M	623	PHE	CA-CB-CG	6.82	120.61	113.80
2	1-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	2-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	3-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	4-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	5-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	6-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	7-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	8-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	9-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	10-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	11-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	12-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	13-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
2	14-C	81	GLN	OE1-CD-NE2	-6.75	115.85	122.60
1	1-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	2-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	3-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	4-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	5-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	6-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	7-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	8-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	9-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	10-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	11-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	12-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	13-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
1	14-B	137	TRP	CG-CD2-CE3	6.74	140.64	133.90
3	1-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	2-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	3-M	146	LYS	N-CA-C	6.67	119.39	108.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	5-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	6-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	7-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	8-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	9-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	10-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	11-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	12-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	13-M	146	LYS	N-CA-C	6.67	119.39	108.52
3	14-M	146	LYS	N-CA-C	6.67	119.39	108.52
2	1-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	2-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	3-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	4-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	5-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	6-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	7-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	8-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	9-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	10-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	11-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	12-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	13-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	14-C	52	ASN	OD1-CG-ND2	-6.66	115.94	122.60
2	1-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	2-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	3-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	4-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	5-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	6-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	7-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	8-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	9-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	10-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	11-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	12-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	13-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	14-C	130	GLN	OE1-CD-NE2	-6.65	115.95	122.60
2	1-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	2-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	3-C	114	LEU	N-CA-C	6.64	120.87	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	5-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	6-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	7-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	8-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	9-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	10-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	11-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	12-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	13-C	114	LEU	N-CA-C	6.64	120.87	110.17
2	14-C	114	LEU	N-CA-C	6.64	120.87	110.17
1	1-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	2-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	3-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	4-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	5-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	6-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	7-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	8-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	9-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	10-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	11-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	12-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	13-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
1	14-B	26	ASP	CA-CB-CG	6.57	119.17	112.60
2	1-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	2-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	3-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	4-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	5-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	6-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	7-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	8-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	9-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	10-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	11-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	12-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	13-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	14-C	106	GLU	CA-CB-CG	-6.57	100.97	114.10
2	1-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	2-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	3-C	63	ILE	N-CA-CB	-6.57	100.39	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	5-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	6-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	7-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	8-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	9-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	10-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	11-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	12-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	13-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
2	14-C	63	ILE	N-CA-CB	-6.57	100.39	111.23
1	1-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	2-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	3-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	4-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	5-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	6-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	7-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	8-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	9-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	10-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	11-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	12-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	13-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	14-B	141	PRO	CA-C-O	6.55	130.06	120.56
1	1-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	2-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	3-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	4-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	5-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	6-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	7-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	8-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	9-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	10-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	11-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	12-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	13-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
1	14-B	37	ASN	OD1-CG-ND2	-6.52	116.08	122.60
3	1-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	2-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	3-M	82	PRO	N-CA-CB	6.49	109.38	103.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	5-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	6-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	7-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	8-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	9-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	10-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	11-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	12-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	13-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	14-M	82	PRO	N-CA-CB	6.49	109.38	103.08
2	1-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	2-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	3-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	4-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	5-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	6-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	7-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	8-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	9-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	10-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	11-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	12-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	13-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	14-C	142	PHE	CA-CB-CG	-6.49	107.31	113.80
2	1-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	2-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	3-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	4-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	5-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	6-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	7-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	8-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	9-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	10-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	11-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	12-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	13-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	14-C	49	ILE	N-CA-C	6.44	117.19	108.17
2	1-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	2-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	3-C	102	VAL	CB-CA-C	-6.42	100.80	110.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	5-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	6-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	7-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	8-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	9-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	10-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	11-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	12-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	13-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
2	14-C	102	VAL	CB-CA-C	-6.42	100.80	110.55
3	1-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	2-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	3-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	4-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	5-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	6-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	7-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	8-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	9-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	10-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	11-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	12-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	13-M	156	PHE	N-CA-C	-6.42	104.71	112.54
3	14-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	1-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	2-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	3-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	4-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	5-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	6-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	7-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	8-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	9-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	10-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	11-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	12-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	13-C	19	ARG	N-CA-C	6.41	120.26	111.54
2	14-C	19	ARG	N-CA-C	6.41	120.26	111.54
3	1-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	2-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	3-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	5-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	6-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	7-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	8-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	9-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	10-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	11-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	12-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	13-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
3	14-M	688	HIS	CA-CB-CG	-6.41	107.39	113.80
2	1-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	2-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	3-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	4-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	5-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	6-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	7-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	8-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	9-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	10-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	11-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	12-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	13-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
2	14-C	43	ASN	OD1-CG-ND2	-6.40	116.20	122.60
3	1-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	2-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	3-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	4-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	5-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	6-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	7-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	8-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	9-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	10-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	11-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	12-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	13-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	14-M	755	HIS	CA-CB-CG	6.38	120.19	113.80
3	1-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	2-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	3-M	604	ASN	CA-C-O	6.34	128.32	121.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	5-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	6-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	7-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	8-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	9-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	10-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	11-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	12-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	13-M	604	ASN	CA-C-O	6.34	128.32	121.02
3	14-M	604	ASN	CA-C-O	6.34	128.32	121.02
1	1-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	2-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	3-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	4-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	5-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	6-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	7-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	8-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	9-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	10-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	11-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	12-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	13-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	14-B	94	GLU	N-CA-C	6.34	121.83	111.37
1	1-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	2-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	3-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	4-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	5-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	6-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	7-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	8-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	9-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	10-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	11-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	12-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	13-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	14-B	111	SER	CA-CB-OG	6.34	123.78	111.10
1	1-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	2-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	3-B	36	GLN	N-CA-C	6.33	118.70	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	5-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	6-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	7-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	8-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	9-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	10-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	11-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	12-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	13-B	36	GLN	N-CA-C	6.33	118.70	111.11
1	14-B	36	GLN	N-CA-C	6.33	118.70	111.11
3	1-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	2-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	3-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	4-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	5-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	6-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	7-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	8-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	9-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	10-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	11-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	12-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	13-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	14-M	524	GLU	N-CA-CB	6.26	119.46	110.06
3	1-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	2-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	3-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	4-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	5-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	6-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	7-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	8-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	9-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	10-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	11-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	12-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	13-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
3	14-M	47	PHE	CB-CA-C	-6.25	101.11	110.24
1	1-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	1-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	2-B	107	ASP	CA-CB-CG	6.21	118.81	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	3-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	3-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	4-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	4-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	5-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	5-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	6-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	6-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	7-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	7-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	8-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	8-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	9-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	9-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	10-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	10-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	11-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	11-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	12-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	12-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	13-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	13-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	14-B	107	ASP	CA-CB-CG	6.21	118.81	112.60
3	14-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	1-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	1-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	2-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	2-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	3-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	3-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	4-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	4-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	5-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	5-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	6-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	6-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	7-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	7-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	8-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	8-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	9-M	279	LEU	CA-C-N	6.21	126.11	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	10-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	10-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	11-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	11-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	12-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	12-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	13-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	13-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	14-M	279	LEU	CA-C-N	6.21	126.11	119.28
3	14-M	279	LEU	C-N-CA	6.21	126.11	119.28
3	1-M	340	ILE	O-C-N	6.20	128.13	121.87
3	2-M	340	ILE	O-C-N	6.20	128.13	121.87
3	3-M	340	ILE	O-C-N	6.20	128.13	121.87
3	4-M	340	ILE	O-C-N	6.20	128.13	121.87
3	5-M	340	ILE	O-C-N	6.20	128.13	121.87
3	6-M	340	ILE	O-C-N	6.20	128.13	121.87
3	7-M	340	ILE	O-C-N	6.20	128.13	121.87
3	8-M	340	ILE	O-C-N	6.20	128.13	121.87
3	9-M	340	ILE	O-C-N	6.20	128.13	121.87
3	10-M	340	ILE	O-C-N	6.20	128.13	121.87
3	11-M	340	ILE	O-C-N	6.20	128.13	121.87
3	12-M	340	ILE	O-C-N	6.20	128.13	121.87
3	13-M	340	ILE	O-C-N	6.20	128.13	121.87
3	14-M	340	ILE	O-C-N	6.20	128.13	121.87
3	1-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	2-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	3-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	4-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	5-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	6-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	7-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	8-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	9-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	10-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	11-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	12-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	13-M	341	LEU	CB-CA-C	6.17	122.24	110.27
3	14-M	341	LEU	CB-CA-C	6.17	122.24	110.27
2	1-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	2-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	3-C	84	PHE	CA-CB-CG	6.16	119.96	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	5-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	6-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	7-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	8-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	9-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	10-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	11-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	12-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	13-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
2	14-C	84	PHE	CA-CB-CG	6.16	119.96	113.80
3	1-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	2-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	3-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	4-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	5-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	6-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	7-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	8-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	9-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	10-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	11-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	12-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	13-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	14-M	599	ASN	OD1-CG-ND2	-6.15	116.45	122.60
3	1-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	2-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	3-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	4-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	5-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	6-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	7-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	8-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	9-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	10-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	11-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	12-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	13-M	352	TYR	N-CA-CB	6.13	120.85	110.49
3	14-M	352	TYR	N-CA-CB	6.13	120.85	110.49
1	1-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	2-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	3-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	5-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	6-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	7-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	8-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	9-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	10-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	11-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	12-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	13-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	14-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
3	1-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	2-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	3-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	4-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	5-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	6-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	7-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	8-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	9-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	10-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	11-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	12-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	13-M	22	LYS	N-CA-C	-6.10	106.44	114.31
3	14-M	22	LYS	N-CA-C	-6.10	106.44	114.31
2	1-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	2-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	3-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	4-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	5-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	6-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	7-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	8-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	9-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	10-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	11-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	12-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	13-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	14-C	96	LYS	N-CA-C	6.08	123.75	110.80
2	1-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	2-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	3-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	5-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	6-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	7-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	8-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	9-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	10-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	11-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	12-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	13-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
2	14-C	73	GLN	OE1-CD-NE2	-6.07	116.53	122.60
1	1-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	2-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	3-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	4-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	5-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	6-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	7-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	8-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	9-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	10-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	11-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	12-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	13-B	108	GLY	N-CA-C	6.07	119.47	111.70
1	14-B	108	GLY	N-CA-C	6.07	119.47	111.70
3	1-M	231	ALA	O-C-N	6.06	129.73	122.27
3	2-M	231	ALA	O-C-N	6.06	129.73	122.27
3	3-M	231	ALA	O-C-N	6.06	129.73	122.27
3	4-M	231	ALA	O-C-N	6.06	129.73	122.27
3	5-M	231	ALA	O-C-N	6.06	129.73	122.27
3	6-M	231	ALA	O-C-N	6.06	129.73	122.27
3	7-M	231	ALA	O-C-N	6.06	129.73	122.27
3	8-M	231	ALA	O-C-N	6.06	129.73	122.27
3	9-M	231	ALA	O-C-N	6.06	129.73	122.27
3	10-M	231	ALA	O-C-N	6.06	129.73	122.27
3	11-M	231	ALA	O-C-N	6.06	129.73	122.27
3	12-M	231	ALA	O-C-N	6.06	129.73	122.27
3	13-M	231	ALA	O-C-N	6.06	129.73	122.27
3	14-M	231	ALA	O-C-N	6.06	129.73	122.27
3	1-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	2-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	3-M	165	PHE	N-CA-CB	-6.06	100.25	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	5-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	6-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	7-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	8-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	9-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	10-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	11-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	12-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	13-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
3	14-M	165	PHE	N-CA-CB	-6.06	100.25	110.49
2	1-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	2-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	3-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	4-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	5-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	6-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	7-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	8-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	9-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	10-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	11-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	12-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	13-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
2	14-C	78	ASN	OD1-CG-ND2	-6.06	116.54	122.60
3	1-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	2-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	3-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	4-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	5-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	6-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	7-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	8-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	9-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	10-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	11-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	12-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	13-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
3	14-M	363	ASN	OD1-CG-ND2	6.03	128.63	122.60
2	1-C	133	SER	N-CA-C	6.02	123.62	110.80
2	2-C	133	SER	N-CA-C	6.02	123.62	110.80
2	3-C	133	SER	N-CA-C	6.02	123.62	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	133	SER	N-CA-C	6.02	123.62	110.80
2	5-C	133	SER	N-CA-C	6.02	123.62	110.80
2	6-C	133	SER	N-CA-C	6.02	123.62	110.80
2	7-C	133	SER	N-CA-C	6.02	123.62	110.80
2	8-C	133	SER	N-CA-C	6.02	123.62	110.80
2	9-C	133	SER	N-CA-C	6.02	123.62	110.80
2	10-C	133	SER	N-CA-C	6.02	123.62	110.80
2	11-C	133	SER	N-CA-C	6.02	123.62	110.80
2	12-C	133	SER	N-CA-C	6.02	123.62	110.80
2	13-C	133	SER	N-CA-C	6.02	123.62	110.80
2	14-C	133	SER	N-CA-C	6.02	123.62	110.80
2	1-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	2-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	3-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	4-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	5-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	6-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	7-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	8-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	9-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	10-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	11-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	12-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	13-C	146	ILE	N-CA-C	-6.00	105.28	110.74
2	14-C	146	ILE	N-CA-C	-6.00	105.28	110.74
3	1-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	2-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	3-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	4-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	5-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	6-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	7-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	8-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	9-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	10-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	11-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	12-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	13-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	14-M	180	GLU	N-CA-CB	5.99	118.58	110.38
3	1-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	2-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	3-M	479	CYS	N-CA-CB	5.97	118.84	109.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	5-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	6-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	7-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	8-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	9-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	10-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	11-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	12-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	13-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	14-M	479	CYS	N-CA-CB	5.97	118.84	109.94
3	1-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	2-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	3-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	4-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	5-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	6-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	7-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	8-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	9-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	10-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	11-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	12-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	13-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	14-M	136	ASN	CA-C-O	5.96	124.72	119.71
3	1-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	1-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	2-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	2-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	3-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	3-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	4-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	4-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	5-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	5-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	6-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	6-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	7-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	7-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	8-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	8-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	9-M	308	ASN	CA-C-N	5.95	125.57	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	10-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	10-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	11-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	11-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	12-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	12-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	13-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	13-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	14-M	308	ASN	CA-C-N	5.95	125.57	119.56
3	14-M	308	ASN	C-N-CA	5.95	125.57	119.56
3	1-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	1-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	1-M	136	ASN	O-C-N	5.95	126.26	121.38
3	2-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	2-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	2-M	136	ASN	O-C-N	5.95	126.26	121.38
3	3-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	3-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	3-M	136	ASN	O-C-N	5.95	126.26	121.38
3	4-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	4-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	4-M	136	ASN	O-C-N	5.95	126.26	121.38
3	5-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	5-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	5-M	136	ASN	O-C-N	5.95	126.26	121.38
3	6-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	6-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	6-M	136	ASN	O-C-N	5.95	126.26	121.38
3	7-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	7-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	7-M	136	ASN	O-C-N	5.95	126.26	121.38
3	8-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	8-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	8-M	136	ASN	O-C-N	5.95	126.26	121.38
3	9-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	9-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	9-M	136	ASN	O-C-N	5.95	126.26	121.38
3	10-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	10-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	10-M	136	ASN	O-C-N	5.95	126.26	121.38
3	11-M	23	GLU	N-CA-C	-5.95	104.87	111.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	11-M	136	ASN	O-C-N	5.95	126.26	121.38
3	12-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	12-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	12-M	136	ASN	O-C-N	5.95	126.26	121.38
3	13-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	13-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	13-M	136	ASN	O-C-N	5.95	126.26	121.38
3	14-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	14-M	88	ILE	CB-CG1-CD1	-5.95	101.31	113.80
3	14-M	136	ASN	O-C-N	5.95	126.26	121.38
3	1-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	2-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	3-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	4-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	5-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	6-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	7-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	8-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	9-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	10-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	11-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	12-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	13-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	14-M	686	MET	N-CA-CB	-5.94	100.79	110.59
3	1-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	2-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	3-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	4-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	5-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	6-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	7-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	8-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	9-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	10-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	11-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	12-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	13-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	14-M	753	VAL	N-CA-C	5.92	118.48	109.12
3	1-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	2-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	3-M	747	LEU	N-CA-CB	5.91	118.74	109.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	5-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	6-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	7-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	8-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	9-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	10-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	11-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	12-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	13-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	14-M	747	LEU	N-CA-CB	5.91	118.74	109.94
3	1-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	2-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	3-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	4-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	5-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	6-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	7-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	8-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	9-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	10-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	11-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	12-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	13-M	717	TYR	N-CA-C	5.90	121.10	111.37
3	14-M	717	TYR	N-CA-C	5.90	121.10	111.37
2	1-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	2-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	3-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	4-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	5-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	6-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	7-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	8-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	9-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	10-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	11-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	12-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	13-C	49	ILE	CA-C-O	5.88	126.71	120.48
2	14-C	49	ILE	CA-C-O	5.88	126.71	120.48
1	1-B	129	THR	N-CA-C	5.87	118.00	109.84
1	2-B	129	THR	N-CA-C	5.87	118.00	109.84
1	3-B	129	THR	N-CA-C	5.87	118.00	109.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	129	THR	N-CA-C	5.87	118.00	109.84
1	5-B	129	THR	N-CA-C	5.87	118.00	109.84
1	6-B	129	THR	N-CA-C	5.87	118.00	109.84
1	7-B	129	THR	N-CA-C	5.87	118.00	109.84
1	8-B	129	THR	N-CA-C	5.87	118.00	109.84
1	9-B	129	THR	N-CA-C	5.87	118.00	109.84
1	10-B	129	THR	N-CA-C	5.87	118.00	109.84
1	11-B	129	THR	N-CA-C	5.87	118.00	109.84
1	12-B	129	THR	N-CA-C	5.87	118.00	109.84
1	13-B	129	THR	N-CA-C	5.87	118.00	109.84
1	14-B	129	THR	N-CA-C	5.87	118.00	109.84
3	1-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	1-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	1-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	2-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	2-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	2-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	3-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	3-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	3-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	4-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	4-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	4-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	5-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	5-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	5-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	6-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	6-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	6-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	7-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	7-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	7-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	8-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	8-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	8-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	9-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	9-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	9-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	10-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	10-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	10-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	11-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	11-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	12-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	12-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	12-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	13-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	13-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	13-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	14-M	278	GLN	OE1-CD-NE2	5.86	128.46	122.60
3	14-M	592	ILE	CA-C-N	-5.86	113.68	122.47
3	14-M	592	ILE	C-N-CA	-5.86	113.68	122.47
3	1-M	790	THR	CA-C-O	5.85	126.57	119.31
3	2-M	790	THR	CA-C-O	5.85	126.57	119.31
3	3-M	790	THR	CA-C-O	5.85	126.57	119.31
3	4-M	790	THR	CA-C-O	5.85	126.57	119.31
3	5-M	790	THR	CA-C-O	5.85	126.57	119.31
3	6-M	790	THR	CA-C-O	5.85	126.57	119.31
3	7-M	790	THR	CA-C-O	5.85	126.57	119.31
3	8-M	790	THR	CA-C-O	5.85	126.57	119.31
3	9-M	790	THR	CA-C-O	5.85	126.57	119.31
3	10-M	790	THR	CA-C-O	5.85	126.57	119.31
3	11-M	790	THR	CA-C-O	5.85	126.57	119.31
3	12-M	790	THR	CA-C-O	5.85	126.57	119.31
3	13-M	790	THR	CA-C-O	5.85	126.57	119.31
3	14-M	790	THR	CA-C-O	5.85	126.57	119.31
1	1-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	2-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	3-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	4-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	5-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	6-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	7-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	8-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	9-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	10-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	11-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	12-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	13-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
1	14-B	36	GLN	CB-CA-C	-5.84	101.46	110.81
3	1-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	2-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	3-M	687	GLU	N-CA-CB	5.82	118.85	110.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	5-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	6-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	7-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	8-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	9-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	10-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	11-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	12-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	13-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	14-M	687	GLU	N-CA-CB	5.82	118.85	110.06
3	1-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	2-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	3-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	4-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	5-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	6-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	7-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	8-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	9-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	10-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	11-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	12-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	13-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
3	14-M	463	ASP	CA-CB-CG	5.80	118.40	112.60
1	1-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	2-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	3-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	4-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	5-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	6-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	7-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	8-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	9-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	10-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	11-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	12-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	13-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	14-B	113	LYS	N-CA-C	5.79	119.25	109.76
3	1-M	139	VAL	O-C-N	5.77	127.57	121.91
3	2-M	139	VAL	O-C-N	5.77	127.57	121.91
3	3-M	139	VAL	O-C-N	5.77	127.57	121.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	139	VAL	O-C-N	5.77	127.57	121.91
3	5-M	139	VAL	O-C-N	5.77	127.57	121.91
3	6-M	139	VAL	O-C-N	5.77	127.57	121.91
3	7-M	139	VAL	O-C-N	5.77	127.57	121.91
3	8-M	139	VAL	O-C-N	5.77	127.57	121.91
3	9-M	139	VAL	O-C-N	5.77	127.57	121.91
3	10-M	139	VAL	O-C-N	5.77	127.57	121.91
3	11-M	139	VAL	O-C-N	5.77	127.57	121.91
3	12-M	139	VAL	O-C-N	5.77	127.57	121.91
3	13-M	139	VAL	O-C-N	5.77	127.57	121.91
3	14-M	139	VAL	O-C-N	5.77	127.57	121.91
1	1-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	2-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	3-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	4-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	5-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	6-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	7-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	8-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	9-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	10-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	11-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	12-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	13-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
1	14-B	140	PHE	CA-CB-CG	-5.75	108.05	113.80
2	1-C	26	THR	N-CA-C	5.74	118.97	110.48
2	2-C	26	THR	N-CA-C	5.74	118.97	110.48
2	3-C	26	THR	N-CA-C	5.74	118.97	110.48
2	4-C	26	THR	N-CA-C	5.74	118.97	110.48
2	5-C	26	THR	N-CA-C	5.74	118.97	110.48
2	6-C	26	THR	N-CA-C	5.74	118.97	110.48
2	7-C	26	THR	N-CA-C	5.74	118.97	110.48
2	8-C	26	THR	N-CA-C	5.74	118.97	110.48
2	9-C	26	THR	N-CA-C	5.74	118.97	110.48
2	10-C	26	THR	N-CA-C	5.74	118.97	110.48
2	11-C	26	THR	N-CA-C	5.74	118.97	110.48
2	12-C	26	THR	N-CA-C	5.74	118.97	110.48
2	13-C	26	THR	N-CA-C	5.74	118.97	110.48
2	14-C	26	THR	N-CA-C	5.74	118.97	110.48
2	1-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	1-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	2-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	3-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	3-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	4-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	4-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	5-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	5-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	6-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	6-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	7-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	7-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	8-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	8-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	9-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	9-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	10-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	10-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	11-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	11-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	12-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	12-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	13-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	13-M	22	LYS	CB-CA-C	5.73	118.65	109.02
2	14-C	29	GLN	CG-CD-NE2	5.73	125.00	116.40
3	14-M	22	LYS	CB-CA-C	5.73	118.65	109.02
3	1-M	718	ALA	O-C-N	5.70	128.65	122.15
3	2-M	718	ALA	O-C-N	5.70	128.65	122.15
3	3-M	718	ALA	O-C-N	5.70	128.65	122.15
3	4-M	718	ALA	O-C-N	5.70	128.65	122.15
3	5-M	718	ALA	O-C-N	5.70	128.65	122.15
3	6-M	718	ALA	O-C-N	5.70	128.65	122.15
3	7-M	718	ALA	O-C-N	5.70	128.65	122.15
3	8-M	718	ALA	O-C-N	5.70	128.65	122.15
3	9-M	718	ALA	O-C-N	5.70	128.65	122.15
3	10-M	718	ALA	O-C-N	5.70	128.65	122.15
3	11-M	718	ALA	O-C-N	5.70	128.65	122.15
3	12-M	718	ALA	O-C-N	5.70	128.65	122.15
3	13-M	718	ALA	O-C-N	5.70	128.65	122.15
3	14-M	718	ALA	O-C-N	5.70	128.65	122.15
2	1-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	2-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	3-C	66	GLU	N-CA-C	5.69	119.03	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	5-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	6-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	7-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	8-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	9-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	10-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	11-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	12-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	13-C	66	GLU	N-CA-C	5.69	119.03	111.75
2	14-C	66	GLU	N-CA-C	5.69	119.03	111.75
3	1-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	2-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	3-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	4-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	5-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	6-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	7-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	8-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	9-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	10-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	11-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	12-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	13-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	14-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	1-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	1-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	2-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	2-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	3-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	3-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	4-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	4-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	5-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	5-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	6-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	6-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	7-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	7-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	8-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	8-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	9-M	755	HIS	CA-C-N	5.67	129.59	121.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	10-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	10-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	11-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	11-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	12-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	12-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	13-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	13-M	755	HIS	C-N-CA	5.67	129.59	121.71
3	14-M	755	HIS	CA-C-N	5.67	129.59	121.71
3	14-M	755	HIS	C-N-CA	5.67	129.59	121.71
2	1-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	2-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	3-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	4-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	5-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	6-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	7-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	8-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	9-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	10-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	11-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	12-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	13-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	14-C	138	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	1-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	2-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	3-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	4-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	5-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	6-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	7-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	8-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	9-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	10-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	11-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	12-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	13-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	14-C	77	ASN	OD1-CG-ND2	-5.65	116.95	122.60
2	1-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	2-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	3-C	39	GLN	N-CA-C	5.63	117.96	109.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	5-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	6-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	7-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	8-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	9-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	10-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	11-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	12-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	13-C	39	GLN	N-CA-C	5.63	117.96	109.23
2	14-C	39	GLN	N-CA-C	5.63	117.96	109.23
3	1-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	2-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	3-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	4-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	5-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	6-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	7-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	8-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	9-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	10-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	11-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	12-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	13-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
3	14-M	351	ILE	CB-CA-C	-5.62	104.68	111.88
1	1-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	2-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	3-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	4-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	5-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	6-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	7-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	8-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	9-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	10-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	11-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	12-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	13-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	14-B	76	ASN	N-CA-C	5.62	122.77	110.80
1	1-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	2-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	3-B	20	ASP	N-CA-C	5.61	117.94	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	5-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	6-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	7-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	8-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	9-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	10-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	11-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	12-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	13-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	14-B	20	ASP	N-CA-C	5.61	117.94	110.53
1	1-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	2-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	3-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	4-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	5-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	6-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	7-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	8-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	9-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	10-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	11-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	12-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	13-B	86	GLU	N-CA-C	5.61	118.93	111.75
1	14-B	86	GLU	N-CA-C	5.61	118.93	111.75
3	1-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	2-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	3-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	4-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	5-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	6-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	7-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	8-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	9-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	10-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	11-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	12-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	13-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	14-M	257	THR	N-CA-C	-5.60	104.86	110.97
3	1-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	2-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	3-M	138	LYS	CB-CA-C	-5.60	99.44	109.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	5-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	6-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	7-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	8-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	9-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	10-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	11-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	12-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	13-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	14-M	138	LYS	CB-CA-C	-5.60	99.44	109.24
3	1-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	2-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	3-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	4-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	5-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	6-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	7-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	8-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	9-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	10-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	11-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	12-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	13-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
3	14-M	732	ILE	N-CA-CB	-5.58	103.39	111.21
1	1-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	1-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	2-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	2-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	3-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	3-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	4-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	4-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	5-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	5-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	6-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	6-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	7-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	7-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	8-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	8-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	9-B	15	VAL	N-CA-C	5.57	120.24	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	10-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	10-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	11-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	11-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	12-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	12-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	13-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	13-M	333	ALA	CA-C-O	5.57	126.86	120.90
1	14-B	15	VAL	N-CA-C	5.57	120.24	113.00
3	14-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	1-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	1-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	2-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	2-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	3-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	3-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	4-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	4-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	5-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	5-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	6-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	6-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	7-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	7-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	8-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	8-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	9-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	9-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	10-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	10-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	11-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	11-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	12-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	12-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	13-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	13-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	14-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	14-M	433	VAL	N-CA-C	5.57	115.77	110.42
1	1-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	2-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	3-B	89	LYS	N-CA-C	5.56	119.57	112.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	5-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	6-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	7-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	8-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	9-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	10-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	11-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	12-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	13-B	89	LYS	N-CA-C	5.56	119.57	112.34
1	14-B	89	LYS	N-CA-C	5.56	119.57	112.34
3	1-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	2-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	3-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	4-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	5-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	6-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	7-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	8-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	9-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	10-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	11-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	12-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	13-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
3	14-M	309	PRO	CB-CA-C	-5.55	103.58	111.68
2	1-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	2-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	3-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	4-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	5-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	6-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	7-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	8-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	9-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	10-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	11-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	12-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	13-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
2	14-C	22	ASP	CA-CB-CG	5.54	118.14	112.60
3	1-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	1-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	2-M	828	HIS	CA-C-N	5.53	128.94	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	3-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	3-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	4-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	4-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	5-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	5-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	6-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	6-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	7-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	7-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	8-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	8-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	9-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	9-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	10-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	10-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	11-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	11-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	12-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	12-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	13-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	13-M	828	HIS	C-N-CA	5.53	128.94	121.20
3	14-M	828	HIS	CA-C-N	5.53	128.94	121.20
3	14-M	828	HIS	C-N-CA	5.53	128.94	121.20
1	1-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	2-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	3-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	4-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	5-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	6-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	7-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	8-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	9-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	10-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	11-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	12-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	13-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	14-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
3	1-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	2-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	3-M	291	ILE	N-CA-C	5.51	116.90	110.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	5-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	6-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	7-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	8-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	9-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	10-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	11-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	12-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	13-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	14-M	291	ILE	N-CA-C	5.51	116.90	110.62
3	1-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	2-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	3-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	4-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	5-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	6-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	7-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	8-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	9-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	10-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	11-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	12-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	13-M	838	ILE	N-CA-C	5.50	117.00	111.00
3	14-M	838	ILE	N-CA-C	5.50	117.00	111.00
1	1-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	2-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	3-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	4-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	5-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	6-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	7-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	8-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	9-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	10-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	11-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	12-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	13-B	120	LEU	N-CA-C	5.47	119.05	112.38
1	14-B	120	LEU	N-CA-C	5.47	119.05	112.38
2	1-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	2-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	3-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	5-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	6-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	7-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	8-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	9-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	10-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	11-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	12-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	13-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
2	14-C	39	GLN	CG-CD-NE2	5.47	124.60	116.40
1	1-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	1-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	2-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	2-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	3-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	3-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	4-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	4-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	5-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	5-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	6-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	6-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	7-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	7-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	8-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	8-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	9-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	9-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	10-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	10-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	11-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	11-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	12-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	12-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	13-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	13-C	77	ASN	N-CA-C	5.46	117.24	111.28
1	14-B	61	ASN	OD1-CG-ND2	-5.46	117.14	122.60
2	14-C	77	ASN	N-CA-C	5.46	117.24	111.28
3	1-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	2-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	3-M	732	ILE	CA-C-O	-5.46	112.63	119.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	5-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	6-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	7-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	8-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	9-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	10-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	11-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	12-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	13-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	14-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	1-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	2-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	3-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	4-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	5-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	6-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	7-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	8-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	9-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	10-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	11-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	12-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	13-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	14-M	196	PHE	CA-CB-CG	-5.43	108.37	113.80
3	1-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	1-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	2-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	2-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	3-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	3-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	4-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	4-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	5-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	5-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	6-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	6-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	7-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	7-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	8-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	8-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	9-M	136	ASN	CA-C-N	5.42	126.62	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	10-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	10-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	11-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	11-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	12-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	12-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	13-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	13-M	136	ASN	C-N-CA	5.42	126.62	119.84
3	14-M	136	ASN	CA-C-N	5.42	126.62	119.84
3	14-M	136	ASN	C-N-CA	5.42	126.62	119.84
2	1-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	2-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	3-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	4-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	5-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	6-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	7-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	8-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	9-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	10-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	11-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	12-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	13-C	44	ALA	N-CA-C	-5.41	99.27	110.80
2	14-C	44	ALA	N-CA-C	-5.41	99.27	110.80
3	1-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	2-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	3-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	4-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	5-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	6-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	7-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	8-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	9-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	10-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	11-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	12-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	13-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	14-M	305	ILE	CB-CA-C	-5.41	103.77	111.34
3	1-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	2-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	3-M	671	PHE	N-CA-C	5.38	118.59	109.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	5-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	6-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	7-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	8-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	9-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	10-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	11-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	12-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	13-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	14-M	671	PHE	N-CA-C	5.38	118.59	109.76
3	1-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	2-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	3-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	4-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	5-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	6-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	7-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	8-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	9-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	10-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	11-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	12-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	13-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
3	14-M	173	GLN	N-CA-CB	-5.38	102.98	111.05
2	1-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	2-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	3-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	4-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	5-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	6-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	7-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	8-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	9-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	10-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	11-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	12-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	13-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	14-C	105	ALA	N-CA-C	5.37	117.83	111.33
2	1-C	54	SER	N-CA-C	5.36	117.56	111.02
2	2-C	54	SER	N-CA-C	5.36	117.56	111.02
2	3-C	54	SER	N-CA-C	5.36	117.56	111.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	54	SER	N-CA-C	5.36	117.56	111.02
2	5-C	54	SER	N-CA-C	5.36	117.56	111.02
2	6-C	54	SER	N-CA-C	5.36	117.56	111.02
2	7-C	54	SER	N-CA-C	5.36	117.56	111.02
2	8-C	54	SER	N-CA-C	5.36	117.56	111.02
2	9-C	54	SER	N-CA-C	5.36	117.56	111.02
2	10-C	54	SER	N-CA-C	5.36	117.56	111.02
2	11-C	54	SER	N-CA-C	5.36	117.56	111.02
2	12-C	54	SER	N-CA-C	5.36	117.56	111.02
2	13-C	54	SER	N-CA-C	5.36	117.56	111.02
2	14-C	54	SER	N-CA-C	5.36	117.56	111.02
3	1-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	2-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	3-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	4-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	5-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	6-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	7-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	8-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	9-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	10-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	11-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	12-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	13-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	14-M	235	ALA	N-CA-CB	-5.35	103.22	111.46
3	1-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	2-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	3-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	4-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	5-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	6-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	7-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	8-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	9-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	10-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	11-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	12-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	13-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	14-M	564	ASN	CA-CB-CG	-5.34	107.26	112.60
3	1-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	2-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	3-M	329	GLU	CA-C-O	5.33	126.08	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	5-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	6-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	7-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	8-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	9-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	10-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	11-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	12-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	13-M	329	GLU	CA-C-O	5.33	126.08	120.42
3	14-M	329	GLU	CA-C-O	5.33	126.08	120.42
2	1-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	2-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	3-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	4-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	5-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	6-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	7-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	8-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	9-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	10-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	11-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	12-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	13-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
2	14-C	49	ILE	CA-CB-CG1	-5.32	101.35	110.40
3	1-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	2-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	3-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	4-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	5-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	6-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	7-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	8-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	9-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	10-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	11-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	12-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	13-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	14-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	1-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	2-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	3-M	291	ILE	CB-CA-C	-5.30	105.10	111.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	5-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	6-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	7-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	8-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	9-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	10-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	11-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	12-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	13-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
3	14-M	291	ILE	CB-CA-C	-5.30	105.10	111.88
2	1-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	2-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	3-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	4-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	5-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	6-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	7-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	8-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	9-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	10-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	11-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	12-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	13-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
2	14-C	137	ILE	CA-CB-CG1	5.29	119.39	110.40
1	1-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	2-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	3-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	4-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	5-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	6-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	7-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	8-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	9-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	10-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	11-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	12-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	13-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
1	14-B	80	PHE	CB-CA-C	-5.28	102.52	110.92
3	1-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	2-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	3-M	248	LYS	N-CA-C	5.27	117.08	108.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	5-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	6-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	7-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	8-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	9-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	10-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	11-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	12-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	13-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	14-M	248	LYS	N-CA-C	5.27	117.08	108.76
3	1-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	2-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	3-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	4-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	5-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	6-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	7-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	8-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	9-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	10-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	11-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	12-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	13-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	14-M	267	THR	OG1-CB-CG2	5.26	119.82	109.30
3	1-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	2-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	3-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	4-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	5-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	6-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	7-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	8-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	9-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	10-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	11-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	12-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	13-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	14-M	295	LYS	CA-C-O	5.25	125.83	119.31
3	1-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	1-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	2-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	3-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	3-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	4-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	4-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	5-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	5-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	6-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	6-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	7-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	7-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	8-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	8-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	9-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	9-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	10-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	10-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	11-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	11-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	12-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	12-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	13-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	13-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
3	14-M	401	LEU	CD1-CG-CD2	-5.25	99.26	110.80
3	14-M	592	ILE	N-CA-CB	-5.25	102.57	111.23
1	1-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	1-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	2-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	2-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	3-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	3-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	4-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	4-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	5-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	5-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	6-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	6-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	7-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	7-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	8-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	8-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	9-B	106	PRO	CA-C-N	5.24	127.82	120.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	9-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	10-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	10-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	11-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	11-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	12-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	12-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	13-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	13-B	106	PRO	C-N-CA	5.24	127.82	120.28
1	14-B	106	PRO	CA-C-N	5.24	127.82	120.28
1	14-B	106	PRO	C-N-CA	5.24	127.82	120.28
3	1-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	2-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	3-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	4-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	5-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	6-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	7-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	8-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	9-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	10-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	11-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	12-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	13-M	832	MET	N-CA-CB	5.23	118.36	110.30
3	14-M	832	MET	N-CA-CB	5.23	118.36	110.30
1	1-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	1-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	1-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	2-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	2-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	2-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	3-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	3-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	3-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	4-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	4-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	4-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	5-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	5-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	5-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	6-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	6-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	7-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	7-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	7-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	8-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	8-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	8-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	9-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	9-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	9-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	10-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	10-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	10-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	11-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	11-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	11-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	12-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	12-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	12-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	13-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	13-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	13-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	14-B	127	ARG	N-CA-C	5.23	121.94	110.80
2	14-C	137	ILE	CA-CB-CG2	-5.23	101.61	110.50
3	14-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	1-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	1-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	2-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	2-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	3-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	3-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	4-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	4-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	5-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	5-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	6-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	6-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	7-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	7-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	8-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	8-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	9-M	654	ARG	CA-C-N	5.22	127.27	120.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	10-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	10-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	11-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	11-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	12-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	12-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	13-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	13-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	14-M	654	ARG	CA-C-N	5.22	127.27	120.28
3	14-M	654	ARG	C-N-CA	5.22	127.27	120.28
3	1-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	2-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	3-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	4-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	5-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	6-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	7-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	8-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	9-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	10-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	11-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	12-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	13-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	14-M	669	PRO	N-CA-CB	5.19	107.94	103.27
3	1-M	157	SER	O-C-N	5.18	127.69	122.09
3	1-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	2-M	157	SER	O-C-N	5.18	127.69	122.09
3	2-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	3-M	157	SER	O-C-N	5.18	127.69	122.09
3	3-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	4-M	157	SER	O-C-N	5.18	127.69	122.09
3	4-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	5-M	157	SER	O-C-N	5.18	127.69	122.09
3	5-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	6-M	157	SER	O-C-N	5.18	127.69	122.09
3	6-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	7-M	157	SER	O-C-N	5.18	127.69	122.09
3	7-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	8-M	157	SER	O-C-N	5.18	127.69	122.09
3	8-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	9-M	157	SER	O-C-N	5.18	127.69	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	10-M	157	SER	O-C-N	5.18	127.69	122.09
3	10-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	11-M	157	SER	O-C-N	5.18	127.69	122.09
3	11-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	12-M	157	SER	O-C-N	5.18	127.69	122.09
3	12-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	13-M	157	SER	O-C-N	5.18	127.69	122.09
3	13-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	14-M	157	SER	O-C-N	5.18	127.69	122.09
3	14-M	772	LEU	N-CA-C	-5.18	105.11	111.75
3	1-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	2-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	3-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	4-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	5-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	6-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	7-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	8-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	9-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	10-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	11-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	12-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	13-M	201	ALA	N-CA-C	5.18	118.67	109.96
3	14-M	201	ALA	N-CA-C	5.18	118.67	109.96
2	1-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	1-C	148	SER	N-CA-C	5.18	121.83	110.80
3	1-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	2-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	2-C	148	SER	N-CA-C	5.18	121.83	110.80
3	2-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	3-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	3-C	148	SER	N-CA-C	5.18	121.83	110.80
3	3-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	4-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	4-C	148	SER	N-CA-C	5.18	121.83	110.80
3	4-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	5-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	5-C	148	SER	N-CA-C	5.18	121.83	110.80
3	5-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	6-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	6-C	148	SER	N-CA-C	5.18	121.83	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	7-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	7-C	148	SER	N-CA-C	5.18	121.83	110.80
3	7-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	8-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	8-C	148	SER	N-CA-C	5.18	121.83	110.80
3	8-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	9-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	9-C	148	SER	N-CA-C	5.18	121.83	110.80
3	9-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	10-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	10-C	148	SER	N-CA-C	5.18	121.83	110.80
3	10-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	11-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	11-C	148	SER	N-CA-C	5.18	121.83	110.80
3	11-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	12-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	12-C	148	SER	N-CA-C	5.18	121.83	110.80
3	12-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	13-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	13-C	148	SER	N-CA-C	5.18	121.83	110.80
3	13-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	14-C	99	ASN	CB-CG-ND2	5.18	124.17	116.40
2	14-C	148	SER	N-CA-C	5.18	121.83	110.80
3	14-M	368	GLN	CB-CA-C	-5.18	101.60	109.89
2	1-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	2-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	3-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	4-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	5-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	6-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	7-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	8-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	9-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	10-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	11-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	12-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	13-C	139	TYR	N-CA-C	5.17	121.82	110.80
2	14-C	139	TYR	N-CA-C	5.17	121.82	110.80
1	1-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	1-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	2-B	140	PHE	N-CA-C	-5.17	99.84	108.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	3-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	3-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	4-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	4-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	5-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	5-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	6-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	6-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	7-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	7-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	8-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	8-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	9-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	9-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	10-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	10-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	11-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	11-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	12-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	12-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	13-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	13-C	35	ARG	N-CA-C	5.17	117.00	111.36
1	14-B	140	PHE	N-CA-C	-5.17	99.84	108.94
2	14-C	35	ARG	N-CA-C	5.17	117.00	111.36
3	1-M	528	LYS	O-C-N	5.16	127.34	121.31
3	2-M	528	LYS	O-C-N	5.16	127.34	121.31
3	3-M	528	LYS	O-C-N	5.16	127.34	121.31
3	4-M	528	LYS	O-C-N	5.16	127.34	121.31
3	5-M	528	LYS	O-C-N	5.16	127.34	121.31
3	6-M	528	LYS	O-C-N	5.16	127.34	121.31
3	7-M	528	LYS	O-C-N	5.16	127.34	121.31
3	8-M	528	LYS	O-C-N	5.16	127.34	121.31
3	9-M	528	LYS	O-C-N	5.16	127.34	121.31
3	10-M	528	LYS	O-C-N	5.16	127.34	121.31
3	11-M	528	LYS	O-C-N	5.16	127.34	121.31
3	12-M	528	LYS	O-C-N	5.16	127.34	121.31
3	13-M	528	LYS	O-C-N	5.16	127.34	121.31
3	14-M	528	LYS	O-C-N	5.16	127.34	121.31
1	1-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	2-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	3-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	5-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	6-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	7-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	8-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	9-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	10-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	11-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	12-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	13-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
1	14-B	137	TRP	CB-CG-CD1	-5.14	119.19	126.90
2	1-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	1-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	2-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	2-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	3-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	3-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	4-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	4-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	5-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	5-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	6-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	6-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	7-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	7-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	8-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	8-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	9-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	9-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	10-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	10-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	11-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	11-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	12-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	12-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	13-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	13-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	14-C	95	ASP	O-C-N	-5.13	115.76	122.59
3	14-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	1-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	2-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	3-M	38	VAL	N-CA-CB	-5.11	102.80	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	5-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	6-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	7-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	8-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	9-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	10-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	11-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	12-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	13-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	14-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	1-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	2-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	3-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	4-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	5-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	6-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	7-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	8-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	9-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	10-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	11-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	12-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	13-M	764	LYS	N-CA-C	5.11	115.90	108.14
3	14-M	764	LYS	N-CA-C	5.11	115.90	108.14
2	1-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	1-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	2-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	2-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	3-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	3-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	4-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	4-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	5-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	5-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	6-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	6-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	7-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	7-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	8-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	8-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	9-C	138	ASN	N-CA-C	5.10	117.47	107.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	10-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	10-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	11-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	11-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	12-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	12-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	13-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	13-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	14-C	138	ASN	N-CA-C	5.10	117.47	107.57
3	14-M	663	ASN	N-CA-C	-5.10	105.90	111.82
2	1-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	2-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	3-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	4-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	5-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	6-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	7-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	8-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	9-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	10-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	11-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	12-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	13-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
2	14-C	5	ASP	N-CA-CB	-5.10	101.83	110.50
3	1-M	322	VAL	O-C-N	5.09	125.58	120.59
3	2-M	322	VAL	O-C-N	5.09	125.58	120.59
3	3-M	322	VAL	O-C-N	5.09	125.58	120.59
3	4-M	322	VAL	O-C-N	5.09	125.58	120.59
3	5-M	322	VAL	O-C-N	5.09	125.58	120.59
3	6-M	322	VAL	O-C-N	5.09	125.58	120.59
3	7-M	322	VAL	O-C-N	5.09	125.58	120.59
3	8-M	322	VAL	O-C-N	5.09	125.58	120.59
3	9-M	322	VAL	O-C-N	5.09	125.58	120.59
3	10-M	322	VAL	O-C-N	5.09	125.58	120.59
3	11-M	322	VAL	O-C-N	5.09	125.58	120.59
3	12-M	322	VAL	O-C-N	5.09	125.58	120.59
3	13-M	322	VAL	O-C-N	5.09	125.58	120.59
3	14-M	322	VAL	O-C-N	5.09	125.58	120.59
2	1-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	2-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	3-C	7	ILE	O-C-N	-5.09	116.21	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	5-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	6-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	7-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	8-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	9-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	10-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	11-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	12-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	13-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	14-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	1-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	1-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	2-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	2-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	3-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	3-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	4-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	4-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	5-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	5-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	6-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	6-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	7-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	7-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	8-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	8-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	9-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	9-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	10-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	10-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	11-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	11-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	12-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	12-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	13-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	13-M	138	LYS	N-CA-C	-5.08	107.21	113.41
2	14-C	67	GLU	N-CA-CB	-5.08	104.14	110.90
3	14-M	138	LYS	N-CA-C	-5.08	107.21	113.41
1	1-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	2-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	3-B	59	VAL	N-CA-C	5.08	115.54	108.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	5-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	6-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	7-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	8-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	9-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	10-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	11-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	12-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	13-B	59	VAL	N-CA-C	5.08	115.54	108.84
1	14-B	59	VAL	N-CA-C	5.08	115.54	108.84
3	1-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	2-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	3-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	4-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	5-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	6-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	7-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	8-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	9-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	10-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	11-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	12-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	13-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	14-M	76	GLN	CA-C-O	5.07	125.16	119.18
3	1-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	2-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	3-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	4-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	5-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	6-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	7-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	8-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	9-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	10-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	11-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	12-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	13-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	14-M	254	PHE	CA-CB-CG	-5.06	108.74	113.80
3	1-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	2-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	3-M	826	VAL	N-CA-C	5.06	115.28	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	5-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	6-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	7-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	8-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	9-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	10-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	11-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	12-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	13-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	14-M	826	VAL	N-CA-C	5.06	115.28	110.53
3	1-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	2-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	3-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	4-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	5-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	6-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	7-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	8-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	9-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	10-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	11-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	12-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	13-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	14-M	424	ASN	CA-CB-CG	5.05	117.65	112.60
3	1-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	2-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	3-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	4-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	5-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	6-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	7-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	8-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	9-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	10-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	11-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	12-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	13-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
3	14-M	116	TYR	CB-CA-C	-5.05	102.56	110.79
2	1-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	1-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	2-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	3-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	3-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	4-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	4-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	5-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	5-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	6-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	6-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	7-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	7-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	8-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	8-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	9-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	9-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	10-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	10-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	11-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	11-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	12-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	12-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	13-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	13-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
2	14-C	63	ILE	CB-CG1-CD1	-5.04	103.22	113.80
3	14-M	165	PHE	CA-CB-CG	-5.04	108.76	113.80
1	1-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	2-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	3-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	4-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	5-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	6-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	7-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	8-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	9-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	10-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	11-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	12-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	13-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
1	14-B	137	TRP	CE2-CD2-CG	-5.03	101.16	107.20
3	1-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	2-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	3-M	332	MET	CG-SD-CE	-5.03	89.84	100.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	5-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	6-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	7-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	8-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	9-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	10-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	11-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	12-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	13-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
3	14-M	332	MET	CG-SD-CE	-5.03	89.84	100.90
2	1-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	2-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	3-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	4-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	5-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	6-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	7-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	8-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	9-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	10-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	11-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	12-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	13-C	40	ASN	C-N-CD	-5.03	104.40	125.00
2	14-C	40	ASN	C-N-CD	-5.03	104.40	125.00
3	1-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	2-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	3-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	4-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	5-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	6-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	7-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	8-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	9-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	10-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	11-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	12-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	13-M	621	LEU	N-CA-C	5.02	116.44	110.97
3	14-M	621	LEU	N-CA-C	5.02	116.44	110.97
1	1-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	1-M	221	GLN	O-C-N	5.02	127.31	122.09
1	2-B	18	MET	N-CA-C	-5.02	100.11	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	221	GLN	O-C-N	5.02	127.31	122.09
1	3-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	3-M	221	GLN	O-C-N	5.02	127.31	122.09
1	4-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	4-M	221	GLN	O-C-N	5.02	127.31	122.09
1	5-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	5-M	221	GLN	O-C-N	5.02	127.31	122.09
1	6-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	6-M	221	GLN	O-C-N	5.02	127.31	122.09
1	7-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	7-M	221	GLN	O-C-N	5.02	127.31	122.09
1	8-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	8-M	221	GLN	O-C-N	5.02	127.31	122.09
1	9-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	9-M	221	GLN	O-C-N	5.02	127.31	122.09
1	10-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	10-M	221	GLN	O-C-N	5.02	127.31	122.09
1	11-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	11-M	221	GLN	O-C-N	5.02	127.31	122.09
1	12-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	12-M	221	GLN	O-C-N	5.02	127.31	122.09
1	13-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	13-M	221	GLN	O-C-N	5.02	127.31	122.09
1	14-B	18	MET	N-CA-C	-5.02	100.11	110.80
3	14-M	221	GLN	O-C-N	5.02	127.31	122.09
3	1-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	2-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	3-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	4-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	5-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	6-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	7-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	8-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	9-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	10-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	11-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	12-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	13-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	14-M	332	MET	CB-CA-C	-5.02	102.32	110.85
3	1-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	2-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	3-M	513	ILE	N-CA-CB	-5.01	101.72	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	5-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	6-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	7-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	8-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	9-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	10-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	11-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	12-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	13-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	14-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
1	1-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	2-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	3-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	4-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	5-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	6-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	7-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	8-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	9-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	10-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	11-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	12-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	13-B	91	ALA	N-CA-C	5.01	116.55	108.34
1	14-B	91	ALA	N-CA-C	5.01	116.55	108.34
3	1-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	2-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	3-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	4-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	5-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	6-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	7-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	8-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	9-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	10-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	11-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	12-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	13-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	14-M	601	ASP	CA-CB-CG	-5.01	107.59	112.60
3	1-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	2-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	3-M	511	GLU	N-CA-CB	5.00	118.74	110.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	5-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	6-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	7-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	8-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	9-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	10-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	11-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	12-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	13-M	511	GLU	N-CA-CB	5.00	118.74	110.69
3	14-M	511	GLU	N-CA-CB	5.00	118.74	110.69

There are no chirality outliers.

All (70) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	1-B	105	ASP	Peptide
1	1-B	127	ARG	Peptide
1	1-B	140	PHE	Peptide
1	1-B	141	PRO	Peptide
3	1-M	98	HIS	Mainchain
1	10-B	105	ASP	Peptide
1	10-B	127	ARG	Peptide
1	10-B	140	PHE	Peptide
1	10-B	141	PRO	Peptide
3	10-M	98	HIS	Mainchain
1	11-B	105	ASP	Peptide
1	11-B	127	ARG	Peptide
1	11-B	140	PHE	Peptide
1	11-B	141	PRO	Peptide
3	11-M	98	HIS	Mainchain
1	12-B	105	ASP	Peptide
1	12-B	127	ARG	Peptide
1	12-B	140	PHE	Peptide
1	12-B	141	PRO	Peptide
3	12-M	98	HIS	Mainchain
1	13-B	105	ASP	Peptide
1	13-B	127	ARG	Peptide
1	13-B	140	PHE	Peptide
1	13-B	141	PRO	Peptide
3	13-M	98	HIS	Mainchain
1	14-B	105	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	14-B	127	ARG	Peptide
1	14-B	140	PHE	Peptide
1	14-B	141	PRO	Peptide
3	14-M	98	HIS	Mainchain
1	2-B	105	ASP	Peptide
1	2-B	127	ARG	Peptide
1	2-B	140	PHE	Peptide
1	2-B	141	PRO	Peptide
3	2-M	98	HIS	Mainchain
1	3-B	105	ASP	Peptide
1	3-B	127	ARG	Peptide
1	3-B	140	PHE	Peptide
1	3-B	141	PRO	Peptide
3	3-M	98	HIS	Mainchain
1	4-B	105	ASP	Peptide
1	4-B	127	ARG	Peptide
1	4-B	140	PHE	Peptide
1	4-B	141	PRO	Peptide
3	4-M	98	HIS	Mainchain
1	5-B	105	ASP	Peptide
1	5-B	127	ARG	Peptide
1	5-B	140	PHE	Peptide
1	5-B	141	PRO	Peptide
3	5-M	98	HIS	Mainchain
1	6-B	105	ASP	Peptide
1	6-B	127	ARG	Peptide
1	6-B	140	PHE	Peptide
1	6-B	141	PRO	Peptide
3	6-M	98	HIS	Mainchain
1	7-B	105	ASP	Peptide
1	7-B	127	ARG	Peptide
1	7-B	140	PHE	Peptide
1	7-B	141	PRO	Peptide
3	7-M	98	HIS	Mainchain
1	8-B	105	ASP	Peptide
1	8-B	127	ARG	Peptide
1	8-B	140	PHE	Peptide
1	8-B	141	PRO	Peptide
3	8-M	98	HIS	Mainchain
1	9-B	105	ASP	Peptide
1	9-B	127	ARG	Peptide
1	9-B	140	PHE	Peptide

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Mol	Chain	Res	Type	Group
1	9-B	141	PRO	Peptide
3	9-M	98	HIS	Mainchain

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1-B	1177	0	1134	141	0
1	2-B	1177	0	1134	138	0
1	3-B	1177	0	1134	138	0
1	4-B	1177	0	1134	138	0
1	5-B	1177	0	1134	140	0
1	6-B	1177	0	1134	137	0
1	7-B	1177	0	1134	145	0
1	8-B	1177	0	1134	144	0
1	9-B	1177	0	1134	141	0
1	10-B	1177	0	1134	137	0
1	11-B	1177	0	1134	139	0
1	12-B	1177	0	1134	141	0
1	13-B	1177	0	1134	137	0
1	14-B	1177	0	1134	138	0
2	1-C	1126	0	1084	90	0
2	2-C	1126	0	1084	91	0
2	3-C	1126	0	1084	88	0
2	4-C	1126	0	1084	89	0
2	5-C	1126	0	1084	90	0
2	6-C	1126	0	1084	87	0
2	7-C	1126	0	1084	91	0
2	8-C	1126	0	1084	91	0
2	9-C	1126	0	1084	89	0
2	10-C	1126	0	1084	91	0
2	11-C	1126	0	1084	91	0
2	12-C	1126	0	1084	91	0
2	13-C	1126	0	1084	91	0
2	14-C	1126	0	1084	90	0
3	1-M	6455	0	6383	880	0
3	2-M	6455	0	6377	862	0
3	3-M	6455	0	6379	897	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	4-M	6455	0	6383	854	0
3	5-M	6455	0	6383	909	0
3	6-M	6455	0	6382	912	0
3	7-M	6455	0	6383	873	0
3	8-M	6455	0	6384	839	0
3	9-M	6455	0	6382	882	0
3	10-M	6455	0	6383	850	0
3	11-M	6455	0	6381	851	0
3	12-M	6455	0	6381	834	0
3	13-M	6455	0	6383	850	0
3	14-M	6455	0	6383	856	0
All	All	122612	0	120399	13620	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 56.

All (13620) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.18	1.70
3:M:510:TRP:CH2	3:M:711:PHE:CE2	1.76	1.68
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.79	1.64
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	1.75	1.60
3:M:508:ILE:HG23	3:M:766:PHE:CZ	1.08	1.60
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.09	1.58
3:M:506:GLU:HG3	3:M:764:LYS:CE	1.16	1.57
3:M:509:GLU:CB	3:M:764:LYS:HG3	1.18	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:510:TRP:CE3	3:M:766:PHE:CB	1.89	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:508:ILE:CG2	3:M:766:PHE:CG	1.86	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.88	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.36	1.54
3:M:508:ILE:HG21	3:M:766:PHE:CG	1.41	1.54
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.01	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.28	1.52
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	1.97	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:503:TYR:CB	3:M:714:ARG:HH12	1.17	1.51
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:508:ILE:CG2	3:M:766:PHE:CZ	1.87	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.50
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.50
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.50
3:M:508:ILE:HG21	3:M:766:PHE:CD2	1.45	1.48
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.48
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.85	1.47
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
3:M:508:ILE:CG2	3:M:766:PHE:CD1	1.80	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
3:M:506:GLU:HG3	3:M:764:LYS:CE	1.44	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.45
3:M:508:ILE:HG21	3:M:766:PHE:CE2	1.47	1.45
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.45
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.25	1.44
3:M:509:GLU:N	3:M:714:ARG:CD	1.81	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.13	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.13	1.44
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.18	1.44
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	0.91	1.43
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.43
3:M:510:TRP:CE3	3:M:766:PHE:CB	1.89	1.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CD2	3:M:711:PHE:CB	1.77	1.43
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.00	1.42
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.16	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.42
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.42
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.05	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.42
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.05	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
3:M:509:GLU:CG	3:M:764:LYS:CG	1.86	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.07	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:506:GLU:CG	3:M:764:LYS:HE3	1.48	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.10	1.39
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.09	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.54	1.38
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.38
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.38
3:M:510:TRP:HE3	3:M:766:PHE:CB	1.34	1.38
3:M:509:GLU:CB	3:M:714:ARG:CB	1.98	1.38
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.38
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:709:LYS:C	3:M:710:GLY:N	1.82	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:509:GLU:H	3:M:714:ARG:CD	1.34	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:509:GLU:HG3	3:M:764:LYS:CG	1.50	1.37
3:M:510:TRP:CD2	3:M:711:PHE:HB2	0.84	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:508:ILE:HG21	3:M:766:PHE:CG	1.59	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.36
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.13	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:508:ILE:CG2	3:M:766:PHE:CG	2.09	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.35
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.16	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
3:M:508:ILE:HG23	3:M:766:PHE:CD1	1.10	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.16	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.35	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.44	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
3:M:509:GLU:CB	3:M:764:LYS:CG	2.04	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.33
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
3:M:709:LYS:C	3:M:710:GLY:N	1.87	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.15	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:N	3:M:766:PHE:CZ	1.97	1.32
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.31
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.16	1.31
3:M:510:TRP:CE3	3:M:711:PHE:CB	2.02	1.31
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.45	1.31
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.30
3:M:508:ILE:CG2	3:M:712:PRO:O	1.79	1.30
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.49	1.30
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.43	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.30
3:M:510:TRP:CD2	3:M:711:PHE:CB	1.99	1.30
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.21	1.29
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.18	1.29
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.21	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:510:TRP:CE2	3:M:711:PHE:HB2	1.24	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.19	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.54	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.06	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.22	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
3:M:509:GLU:HB2	3:M:764:LYS:CG	1.63	1.27
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.48	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.92	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.18	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:709:LYS:C	3:M:710:GLY:HA2	1.58	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:709:LYS:C	3:M:710:GLY:HA2	1.58	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:503:TYR:CE1	3:M:714:ARG:NH2	1.68	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:508:ILE:HG22	3:M:714:ARG:CG	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.26
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:509:GLU:N	3:M:714:ARG:HD3	1.45	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:709:LYS:O	3:M:710:GLY:O	1.54	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.51	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
3:M:508:ILE:HG23	3:M:766:PHE:CE1	1.70	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.25
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.24
3:M:709:LYS:C	3:M:710:GLY:N	1.94	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.25	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.66	1.24
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.36	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.23
3:M:510:TRP:CE3	3:M:711:PHE:CB	1.87	1.23
3:M:509:GLU:O	3:M:714:ARG:HD3	1.36	1.23
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.23
3:M:503:TYR:CB	3:M:714:ARG:NH1	1.82	1.23
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.55	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.23
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:709:LYS:C	3:M:710:GLY:HA2	1.63	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.50	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.06	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:508:ILE:HG21	3:M:712:PRO:O	1.33	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:508:ILE:CB	3:M:714:ARG:NH1	1.97	1.22
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.21
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.21
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.21
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.21
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.15	1.21
3:M:509:GLU:O	3:M:714:ARG:CB	1.88	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	0.98	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.26	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:509:GLU:CG	3:M:764:LYS:HZ2	1.46	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:509:GLU:CG	3:M:764:LYS:HZ2	1.46	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:508:ILE:HG21	3:M:766:PHE:CD2	1.76	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.20
3:M:508:ILE:HG23	3:M:766:PHE:CD1	1.47	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.37	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.37	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.37	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.37	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.37	1.20
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.55	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.60	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
3:M:506:GLU:CG	3:M:764:LYS:CE	2.13	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.32	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:509:GLU:C	3:M:714:ARG:HD3	1.67	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.31	1.17
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.17
3:M:509:GLU:C	3:M:714:ARG:HB3	1.66	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:509:GLU:O	3:M:714:ARG:CB	1.68	1.17
3:M:509:GLU:O	3:M:714:ARG:CB	1.68	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:509:GLU:N	3:M:714:ARG:HD2	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.32	1.17
3:M:508:ILE:CG2	3:M:766:PHE:CD1	2.05	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.33	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.59	1.15
3:M:509:GLU:CG	3:M:764:LYS:HG2	1.50	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.15
3:M:509:GLU:H	3:M:714:ARG:CB	1.57	1.15
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:709:LYS:C	3:M:710:GLY:HA2	1.71	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.64	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.15
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:508:ILE:CD1	3:M:714:ARG:HD3	1.77	1.15
3:M:508:ILE:HG22	3:M:714:ARG:CD	1.77	1.15
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.53	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.59	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
3:M:511:GLU:N	3:M:766:PHE:CD1	1.92	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.33	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:508:ILE:HG22	3:M:766:PHE:CD2	1.83	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:HB3	3:M:714:ARG:HB2	1.26	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:709:LYS:C	3:M:710:GLY:HA2	1.71	1.13
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.66	1.13
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.61	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.34	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.30	1.13
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.37	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:709:LYS:C	3:M:710:GLY:N	2.07	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:509:GLU:HG3	3:M:764:LYS:NZ	1.45	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:510:TRP:CH2	3:M:766:PHE:HB3	1.84	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:509:GLU:HG3	3:M:764:LYS:NZ	1.45	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:508:ILE:HD11	3:M:714:ARG:CD	1.78	1.12
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:509:GLU:O	3:M:714:ARG:HB3	0.95	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.63	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
3:M:503:TYR:CG	3:M:714:ARG:NH1	2.02	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:508:ILE:HG22	3:M:766:PHE:CE2	1.85	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:506:GLU:CG	3:M:764:LYS:HE3	1.81	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.39	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.35	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
3:M:709:LYS:C	3:M:710:GLY:HA2	1.77	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:508:ILE:CB	3:M:714:ARG:HH11	1.61	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.18	1.09
3:M:509:GLU:HB2	3:M:714:ARG:HB2	1.18	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:510:TRP:CE3	3:M:711:PHE:CB	2.28	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.08
3:M:506:GLU:OE2	3:M:764:LYS:NZ	1.85	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.30	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:510:TRP:HA	3:M:766:PHE:CG	1.87	1.08
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:509:GLU:CG	3:M:764:LYS:HG3	1.66	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.68	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:511:GLU:N	3:M:766:PHE:CZ	2.00	1.08
3:M:511:GLU:N	3:M:766:PHE:CZ	2.00	1.08
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:508:ILE:HG22	3:M:714:ARG:NE	1.68	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.41	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.07
3:M:511:GLU:HG3	3:M:766:PHE:CE1	1.89	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:507:GLY:O	3:M:764:LYS:NZ	1.86	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:509:GLU:H	3:M:714:ARG:HD2	1.11	1.07
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.61	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.84	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.84	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06
3:M:509:GLU:H	3:M:714:ARG:HB3	1.21	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:510:TRP:CB	3:M:714:ARG:CZ	2.31	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.70	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.06
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.12	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:508:ILE:CG2	3:M:714:ARG:HG2	1.86	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.43	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:509:GLU:C	3:M:714:ARG:HD3	1.81	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.30	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.05
3:M:508:ILE:C	3:M:714:ARG:HD3	1.66	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:508:ILE:HD11	3:M:714:ARG:HD3	1.36	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:511:GLU:CD	3:M:761:GLY:HA3	1.80	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:510:TRP:CE3	3:M:711:PHE:O	2.08	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.74	1.04
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.74	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:508:ILE:HG22	3:M:714:ARG:HD2	1.39	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:509:GLU:O	3:M:714:ARG:HB3	1.25	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:509:GLU:O	3:M:714:ARG:HB3	1.25	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.25	1.03
3:M:511:GLU:N	3:M:766:PHE:CG	2.01	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.18	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:709:LYS:O	3:M:710:GLY:O	1.75	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.35	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.47	1.02
3:M:709:LYS:HA	3:M:768:LYS:HZ1	0.87	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.21	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.73	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.17	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:510:TRP:NE1	3:M:711:PHE:CD2	2.26	1.02
3:M:511:GLU:CG	3:M:766:PHE:CE1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.06	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:509:GLU:H	3:M:714:ARG:CG	1.73	1.02
3:M:509:GLU:CA	3:M:714:ARG:HD3	1.89	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.02
3:M:506:GLU:HG3	3:M:764:LYS:HE3	1.07	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.48	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:503:TYR:HA	3:M:714:ARG:HH11	1.25	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:508:ILE:HD13	3:M:766:PHE:HE2	1.22	1.01
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.48	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:508:ILE:CG2	3:M:712:PRO:O	2.07	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:508:ILE:CG2	3:M:712:PRO:O	2.07	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:508:ILE:HG23	3:M:766:PHE:CG	1.64	1.00
3:M:507:GLY:C	3:M:764:LYS:HZ2	1.69	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.94	1.00
3:M:510:TRP:HZ3	3:M:767:PHE:N	1.56	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:506:GLU:CG	3:M:764:LYS:CE	2.37	1.00
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.90	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.98	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:510:TRP:CD2	3:M:711:PHE:O	2.14	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
3:M:511:GLU:OE1	3:M:764:LYS:O	1.80	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:510:TRP:CE2	3:M:711:PHE:HE2	1.76	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.52	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:510:TRP:CB	3:M:714:ARG:CZ	2.41	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.57	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.82	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.98
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.79	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.97
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.32	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.97
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	1.26	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:510:TRP:CE2	3:M:711:PHE:CB	1.80	0.97
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.52	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.53	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:510:TRP:CD2	3:M:711:PHE:HD2	1.82	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.96
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.73	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.28	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.28	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:509:GLU:N	3:M:766:PHE:CE1	2.20	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:508:ILE:HD13	3:M:712:PRO:O	1.62	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:507:GLY:C	3:M:764:LYS:NZ	2.24	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:508:ILE:HD12	3:M:714:ARG:CZ	1.96	0.95
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:510:TRP:HB2	3:M:766:PHE:CE2	2.01	0.95
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.96	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.30	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.95
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:510:TRP:CG	3:M:711:PHE:HB2	2.00	0.94
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.63	0.94
3:M:510:TRP:HZ3	3:M:766:PHE:CA	1.80	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.55	0.94
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.53	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.71	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.68	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:510:TRP:HB2	3:M:766:PHE:HD2	1.28	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:511:GLU:CG	3:M:766:PHE:HE1	1.78	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.66	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.66	0.94
3:M:709:LYS:C	3:M:710:GLY:HA2	1.91	0.93
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.94	0.93
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.94	0.93
3:M:511:GLU:CD	3:M:761:GLY:HA3	1.92	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:508:ILE:HD13	3:M:766:PHE:CE2	2.02	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.86	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	1.21	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:CG	3:M:764:LYS:NZ	1.85	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:N	3:M:714:ARG:HD2	1.84	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:CG	3:M:764:LYS:NZ	1.85	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:508:ILE:CG2	3:M:714:ARG:CG	2.44	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:709:LYS:C	3:M:710:GLY:HA2	1.94	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.63	0.92
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.83	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:510:TRP:N	3:M:714:ARG:CD	2.23	0.92
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.32	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:510:TRP:HE1	3:M:711:PHE:HD2	1.12	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.53	0.92
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.02	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.58	0.92
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.49	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.65	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:508:ILE:HA	3:M:714:ARG:HB2	1.48	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.45	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.49	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.44	0.91
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.67	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.48	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:508:ILE:CG2	3:M:714:ARG:NE	2.33	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:506:GLU:HG3	3:M:764:LYS:CE	2.00	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.98	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.59	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:709:LYS:C	3:M:710:GLY:N	2.30	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.90
3:M:510:TRP:CG	3:M:711:PHE:HB2	2.05	0.90
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.90
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.90
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.78	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.06	0.90
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.82	0.90
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.28	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:509:GLU:N	3:M:714:ARG:HD3	1.86	0.90
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.90
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.34	0.90
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.21	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.43	0.89
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.89
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.89
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.89
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.89
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:509:GLU:HG3	3:M:764:LYS:HZ2	0.73	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:509:GLU:HG3	3:M:764:LYS:HZ2	0.73	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:508:ILE:HD11	3:M:766:PHE:CD1	2.07	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
3:M:510:TRP:CE3	3:M:766:PHE:HB3	2.08	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:509:GLU:N	3:M:714:ARG:CB	2.36	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:508:ILE:HG22	3:M:714:ARG:CZ	2.02	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:508:ILE:HG22	3:M:714:ARG:CD	1.89	0.88
3:M:503:TYR:HA	3:M:714:ARG:NH1	1.84	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:506:GLU:CG	3:M:764:LYS:HZ2	1.87	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.61	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.92	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:508:ILE:HG23	3:M:714:ARG:HD3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.91	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.71	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.34	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.32	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.38	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.87
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.90	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:510:TRP:N	3:M:714:ARG:HD3	1.37	0.86
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.62	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:508:ILE:C	3:M:714:ARG:HD2	1.82	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:510:TRP:CE3	3:M:766:PHE:HB2	2.10	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:509:GLU:CA	3:M:764:LYS:HG3	2.05	0.86
3:M:510:TRP:HZ3	3:M:767:PHE:H	0.88	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
3:M:709:LYS:O	3:M:710:GLY:O	1.93	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
3:M:508:ILE:HB	3:M:714:ARG:HH11	1.41	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:510:TRP:HZ3	3:M:766:PHE:C	1.83	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.86
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.86
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.86
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.86
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.86
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.86
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.86
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.86
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.86
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.86
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.64	0.85
3:M:509:GLU:HB2	3:M:764:LYS:HG3	0.85	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:503:TYR:HB3	3:M:714:ARG:HH11	1.06	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:509:GLU:HB3	3:M:714:ARG:CG	2.06	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:510:TRP:CE2	3:M:711:PHE:HD2	1.37	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.48	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:511:GLU:CB	3:M:766:PHE:CE1	2.60	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.84
3:M:509:GLU:H	3:M:714:ARG:HB2	1.41	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.84
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.14	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.84
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.34	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:508:ILE:CD1	3:M:714:ARG:CZ	2.55	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.15	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:709:LYS:O	3:M:710:GLY:C	2.21	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.92	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.92	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:509:GLU:H	3:M:714:ARG:CD	1.89	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.61	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:510:TRP:H	3:M:714:ARG:HH11	1.27	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:509:GLU:H	3:M:766:PHE:HZ	1.26	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:510:TRP:H	3:M:714:ARG:HH11	1.27	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.83
3:M:510:TRP:NE1	3:M:711:PHE:N	2.26	0.83
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.83
3:M:508:ILE:CG2	3:M:714:ARG:CD	2.57	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.83
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.93	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:510:TRP:HZ3	3:M:766:PHE:CA	1.91	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.38	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:510:TRP:CE2	3:M:711:PHE:HE2	1.96	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.96	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:511:GLU:OE2	3:M:761:GLY:HA3	1.79	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.09	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:508:ILE:HG21	3:M:712:PRO:O	1.79	0.82
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.82
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.82
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.82
3:M:709:LYS:C	3:M:710:GLY:O	2.22	0.82
3:M:508:ILE:HG21	3:M:712:PRO:O	1.79	0.82
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.82
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.68	0.82
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.22	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
3:M:508:ILE:HA	3:M:714:ARG:CB	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.40	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:508:ILE:CB	3:M:714:ARG:NH1	2.42	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.33	0.81
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.81
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.48	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:503:TYR:HB3	3:M:714:ARG:HH12	1.46	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:503:TYR:HB3	3:M:714:ARG:HH12	1.46	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:506:GLU:CD	3:M:764:LYS:NZ	2.38	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:508:ILE:HD13	3:M:712:PRO:O	1.80	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:509:GLU:O	3:M:766:PHE:CD1	2.15	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.70	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.97	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:508:ILE:HG23	3:M:766:PHE:HD1	1.39	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
3:M:503:TYR:HA	3:M:714:ARG:NH1	1.96	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:508:ILE:CG2	3:M:714:ARG:CZ	2.59	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.16	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:CD	3:M:764:LYS:O	2.25	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.80
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:509:GLU:N	3:M:766:PHE:HZ	1.78	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.47	0.79
3:M:506:GLU:HB3	3:M:764:LYS:HE3	1.64	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.79
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.37	0.79
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.14	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.13	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:506:GLU:CG	3:M:764:LYS:HZ2	1.91	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.79
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.79
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.79
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:509:GLU:O	3:M:766:PHE:CG	2.19	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.16	0.78
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:509:GLU:OE1	3:M:761:GLY:O	1.89	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.72	0.78
3:M:510:TRP:HZ3	3:M:766:PHE:C	1.91	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:508:ILE:HG12	3:M:766:PHE:HZ	1.49	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:510:TRP:N	3:M:714:ARG:NH1	2.25	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:510:TRP:N	3:M:714:ARG:NH1	2.25	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:509:GLU:O	3:M:766:PHE:CD1	2.37	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:509:GLU:CB	3:M:714:ARG:HG3	2.15	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:510:TRP:CE3	3:M:711:PHE:HB3	1.52	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:511:GLU:OE2	3:M:761:GLY:HA3	1.84	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:O	3:M:710:GLY:C	2.27	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:509:GLU:O	3:M:714:ARG:CD	2.28	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:510:TRP:CH2	3:M:711:PHE:HZ	1.94	0.77
3:M:508:ILE:HG23	3:M:766:PHE:CG	1.91	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:273:SER:HG	3:M:598:LYS:HD3	1.47	0.77
3:M:273:SER:HG	3:M:598:LYS:HD3	1.47	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:509:GLU:HB2	3:M:764:LYS:CB	2.15	0.77
3:M:273:SER:HG	3:M:598:LYS:HD3	1.47	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:273:SER:HG	3:M:598:LYS:HD3	1.47	0.77
3:M:273:SER:HG	3:M:598:LYS:HD3	1.47	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.77
3:M:511:GLU:CA	3:M:766:PHE:CD1	2.68	0.77
3:M:508:ILE:HD11	3:M:714:ARG:HD3	0.87	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.17	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.19	0.76
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.72	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:508:ILE:CD1	3:M:714:ARG:NE	2.48	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:510:TRP:HB2	3:M:714:ARG:CZ	2.15	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.76
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.76
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:709:LYS:C	3:M:710:GLY:O	2.28	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.24	0.76
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.24	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:508:ILE:CG2	3:M:714:ARG:HD2	2.16	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:507:GLY:HA2	3:M:764:LYS:HZ1	1.50	0.75
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	2.18	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.99	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.87	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:508:ILE:HD11	3:M:714:ARG:HD3	1.69	0.74
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.16	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:506:GLU:CD	3:M:764:LYS:HZ1	1.96	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
3:M:508:ILE:HG21	3:M:712:PRO:O	1.88	0.74
3:M:509:GLU:HG3	3:M:764:LYS:HG2	0.77	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:510:TRP:H	3:M:714:ARG:NH1	1.85	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:H	3:M:714:ARG:NH1	1.85	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.12	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.00	0.74
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.00	0.74
3:M:510:TRP:HZ3	3:M:766:PHE:CA	2.01	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:509:GLU:CB	3:M:714:ARG:CG	2.59	0.73
3:M:511:GLU:HG3	3:M:766:PHE:HE1	1.33	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.70	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.76	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:709:LYS:C	3:M:710:GLY:HA2	2.12	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:509:GLU:CA	3:M:766:PHE:CE1	2.72	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:503:TYR:CG	3:M:714:ARG:CZ	2.72	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:509:GLU:N	3:M:714:ARG:CD	2.49	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.53	0.73
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.67	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:708:ARG:O	3:M:768:LYS:NZ	2.22	0.73
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.71	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:508:ILE:CG2	3:M:714:ARG:NH1	2.52	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.31	0.72
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.31	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.55	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.72
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.73	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:510:TRP:CB	3:M:766:PHE:CE2	2.73	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.87	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:510:TRP:HB2	3:M:714:ARG:CZ	2.20	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:510:TRP:NE1	3:M:711:PHE:H	1.86	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.43	0.71
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.43	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:508:ILE:HG21	3:M:766:PHE:CD2	2.23	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	0.98	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.71
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.03	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:709:LYS:C	3:M:710:GLY:HA2	2.15	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:507:GLY:CA	3:M:764:LYS:NZ	2.53	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.21	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.71
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.71
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.22	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:510:TRP:CE3	3:M:711:PHE:C	2.65	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:709:LYS:C	3:M:710:GLY:C	2.58	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:709:LYS:C	3:M:710:GLY:HA2	2.16	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:709:LYS:HA	3:M:768:LYS:NZ	2.06	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:509:GLU:N	3:M:714:ARG:HB3	2.02	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:509:GLU:C	3:M:714:ARG:CD	2.57	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:503:TYR:HA	3:M:714:ARG:HH11	1.56	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:511:GLU:N	3:M:766:PHE:CE1	2.54	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.80	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:508:ILE:HB	3:M:714:ARG:HH11	0.87	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.50	0.69
3:M:511:GLU:CD	3:M:766:PHE:HE1	2.00	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:510:TRP:N	3:M:714:ARG:HH11	1.86	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:510:TRP:N	3:M:714:ARG:HH11	1.86	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:508:ILE:CG2	3:M:714:ARG:HD3	2.22	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.14	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	2.04	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.69
3:M:508:ILE:HB	3:M:714:ARG:HH12	1.58	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.17	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.60	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:509:GLU:O	3:M:714:ARG:HB3	1.92	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.68
3:M:510:TRP:CA	3:M:766:PHE:CG	2.42	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.68
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:509:GLU:N	3:M:714:ARG:HB2	2.04	0.68
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.74	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:509:GLU:CA	3:M:714:ARG:HD3	2.22	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:510:TRP:CE2	3:M:711:PHE:HE2	2.11	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.35	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:709:LYS:C	3:M:710:GLY:HA2	2.19	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:507:GLY:CA	3:M:764:LYS:HZ1	2.06	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:503:TYR:CD1	3:M:714:ARG:NH2	2.61	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
3:M:510:TRP:CE2	3:M:711:PHE:CA	2.76	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.67
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.67
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:509:GLU:CB	3:M:766:PHE:CE1	2.77	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:508:ILE:O	3:M:764:LYS:HE3	1.94	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:506:GLU:OE2	3:M:764:LYS:NZ	2.27	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:709:LYS:O	3:M:768:LYS:HE2	1.95	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.67
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.67
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.67
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.67
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.67
3:M:506:GLU:HG3	3:M:764:LYS:HE3	1.77	0.67
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.24	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.35	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.26	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:709:LYS:O	3:M:710:GLY:C	2.38	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.66
3:M:508:ILE:HG22	3:M:712:PRO:O	1.90	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.66
3:M:508:ILE:HG22	3:M:712:PRO:O	1.90	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.66
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:511:GLU:OE2	3:M:761:GLY:CA	2.44	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:510:TRP:CE3	3:M:711:PHE:HB3	1.81	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.09	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.10	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.10	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.65
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.50	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.49	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:508:ILE:HD12	3:M:714:ARG:NH1	2.11	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:709:LYS:C	3:M:710:GLY:C	2.64	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:508:ILE:C	3:M:714:ARG:HH11	2.05	0.65
3:M:511:GLU:CA	3:M:766:PHE:CE1	2.56	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:508:ILE:HG22	3:M:712:PRO:O	1.89	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.75	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
3:M:708:ARG:O	3:M:768:LYS:NZ	2.30	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
3:M:708:ARG:O	3:M:768:LYS:NZ	2.30	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.97	0.64
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.64
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.64
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.64
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.97	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.25	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:709:LYS:C	3:M:768:LYS:HZ1	2.06	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:506:GLU:HG3	3:M:764:LYS:HE3	0.65	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:709:LYS:O	3:M:768:LYS:HE2	1.98	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:709:LYS:O	3:M:710:GLY:C	2.41	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:709:LYS:O	3:M:710:GLY:C	2.41	0.64
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.62	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:511:GLU:CB	3:M:766:PHE:CD1	2.81	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.60	0.63
3:M:510:TRP:H	3:M:714:ARG:HD3	1.57	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.36	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.36	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:508:ILE:HG12	3:M:766:PHE:CZ	2.34	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.63
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.63
3:M:509:GLU:OE2	3:M:764:LYS:HB3	1.99	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.63
3:M:509:GLU:OE2	3:M:764:LYS:HB3	1.99	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.63
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:511:GLU:CD	3:M:764:LYS:O	2.41	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:506:GLU:HG2	3:M:766:PHE:HE1	1.64	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
3:M:508:ILE:CG1	3:M:766:PHE:CZ	2.82	0.62
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.62
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.62
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:C	3:M:710:GLY:C	2.68	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:506:GLU:CD	3:M:764:LYS:NZ	2.57	0.62
3:M:508:ILE:CD1	3:M:712:PRO:O	2.42	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.62
3:M:510:TRP:CD2	3:M:711:PHE:HD2	2.13	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.77	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:508:ILE:HG22	3:M:714:ARG:NH1	2.14	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.61
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:510:TRP:HZ3	3:M:766:PHE:C	2.08	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.61
3:M:709:LYS:C	3:M:710:GLY:N	2.57	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:506:GLU:HG2	3:M:766:PHE:CE1	2.35	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.42	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.33	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:509:GLU:OE1	3:M:764:LYS:O	2.18	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:709:LYS:O	3:M:768:LYS:NZ	2.34	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.30	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:503:TYR:CG	3:M:714:ARG:NH2	2.69	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.61
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:709:LYS:O	3:M:710:GLY:HA2	2.01	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.65	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.70	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.60
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:511:GLU:OE1	3:M:761:GLY:N	2.33	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:709:LYS:C	3:M:710:GLY:HA2	2.27	0.60
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:510:TRP:CH2	3:M:767:PHE:N	2.70	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.47	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.60
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:509:GLU:O	3:M:766:PHE:CD2	2.41	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:509:GLU:CB	3:M:714:ARG:CB	2.48	0.60
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:509:GLU:CB	3:M:714:ARG:CB	2.48	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:507:GLY:C	3:M:764:LYS:HZ1	2.09	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:709:LYS:O	3:M:710:GLY:C	2.44	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.60
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:506:GLU:CG	3:M:764:LYS:HZ2	2.14	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:509:GLU:HB2	3:M:764:LYS:HG3	1.83	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:511:GLU:OE2	3:M:764:LYS:N	2.35	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.60
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.60
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.88	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:510:TRP:HZ3	3:M:767:PHE:N	2.00	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.75	0.59
3:M:510:TRP:HE3	3:M:766:PHE:CB	1.72	0.59
3:M:503:TYR:HE1	3:M:714:ARG:NH2	2.00	0.59
3:M:507:GLY:O	3:M:761:GLY:HA3	2.03	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:509:GLU:O	3:M:766:PHE:CG	2.55	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:508:ILE:HD11	3:M:766:PHE:CG	2.36	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:509:GLU:CB	3:M:714:ARG:HB2	2.33	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:510:TRP:HE3	3:M:766:PHE:CD2	2.10	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.15	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.91	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.58
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:510:TRP:CH2	3:M:766:PHE:HB3	2.37	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:508:ILE:CB	3:M:714:ARG:CD	2.81	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:507:GLY:O	3:M:764:LYS:CE	2.52	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:508:ILE:CD1	3:M:714:ARG:HD3	2.24	0.58
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:511:GLU:CD	3:M:761:GLY:HA3	2.26	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.58
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.87	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:508:ILE:HD13	3:M:714:ARG:NE	2.17	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:508:ILE:HD11	3:M:766:PHE:CE1	2.39	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.40	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.17	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:510:TRP:CE3	3:M:711:PHE:HB3	2.31	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:708:ARG:O	3:M:768:LYS:NZ	2.37	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:509:GLU:O	3:M:766:PHE:CE2	2.56	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:509:GLU:O	3:M:766:PHE:CE2	2.56	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:509:GLU:CB	3:M:764:LYS:O	2.53	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:506:GLU:CG	3:M:764:LYS:HE3	2.35	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.56
3:M:510:TRP:CE3	3:M:711:PHE:CG	2.78	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:508:ILE:CB	3:M:766:PHE:CZ	2.84	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.42	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:508:ILE:HB	3:M:714:ARG:CZ	2.35	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.73	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:510:TRP:CD2	3:M:711:PHE:HB2	2.41	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.82	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.36	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:509:GLU:OE2	3:M:764:LYS:CB	2.19	0.56
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:509:GLU:OE2	3:M:764:LYS:CB	2.19	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:511:GLU:HB2	3:M:766:PHE:CD1	2.41	0.55
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:503:TYR:HB3	3:M:714:ARG:NH1	2.22	0.55
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.74	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.84	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:510:TRP:CE2	3:M:711:PHE:CD2	1.80	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:506:GLU:HB3	3:M:764:LYS:HE3	1.88	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:511:GLU:CD	3:M:766:PHE:CE1	2.83	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:509:GLU:HB2	3:M:766:PHE:HE1	1.73	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.54
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:709:LYS:O	3:M:768:LYS:NZ	2.40	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:509:GLU:OE2	3:M:761:GLY:O	2.26	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.16	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.16	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.16	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.16	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.16	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:508:ILE:CG2	3:M:714:ARG:CD	2.75	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.38	0.53
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.38	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:508:ILE:CD1	3:M:714:ARG:CD	2.60	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:709:LYS:C	3:M:710:GLY:N	2.67	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:508:ILE:HB	3:M:714:ARG:NH1	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.60	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.53
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.13	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:506:GLU:CG	3:M:764:LYS:CE	2.80	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:510:TRP:CD1	3:M:711:PHE:H	2.26	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:503:TYR:CD2	3:M:714:ARG:NH2	2.76	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.74	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.74	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:508:ILE:C	3:M:764:LYS:HE3	2.34	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.74	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.74	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.74	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.47	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.49	0.52
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:510:TRP:NE1	3:M:711:PHE:H	2.06	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:510:TRP:NE1	3:M:711:PHE:H	2.06	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.35	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.35	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.57	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:506:GLU:CD	3:M:764:LYS:HZ2	2.16	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.07	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:508:ILE:HG23	3:M:714:ARG:HG2	1.88	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:709:LYS:O	3:M:768:LYS:HE2	2.10	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:510:TRP:HZ3	3:M:766:PHE:HA	1.71	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.91	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:508:ILE:HG21	3:M:714:ARG:CZ	2.39	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.91	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:510:TRP:CE2	3:M:711:PHE:N	2.27	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:709:LYS:O	3:M:710:GLY:O	2.28	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:508:ILE:HG22	3:M:714:ARG:CG	2.40	0.51
3:M:709:LYS:C	3:M:710:GLY:C	2.78	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:508:ILE:HG22	3:M:714:ARG:CG	2.40	0.51
3:M:709:LYS:C	3:M:710:GLY:C	2.78	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.51
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:510:TRP:CB	3:M:714:ARG:NE	2.64	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.99	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:503:TYR:CD2	3:M:714:ARG:NH1	2.71	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.51
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:509:GLU:HB2	3:M:764:LYS:CG	2.41	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:508:ILE:CD1	3:M:766:PHE:CE2	2.87	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
3:M:511:GLU:HG3	3:M:766:PHE:CZ	2.42	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.92	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.90	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:507:GLY:HA2	3:M:764:LYS:NZ	2.18	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.43	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.50
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.50
3:M:509:GLU:OE1	3:M:763:THR:N	2.44	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:509:GLU:HB2	3:M:760:PHE:O	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:510:TRP:CG	3:M:766:PHE:CD2	2.95	0.50
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.49
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.54	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.54	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:510:TRP:CG	3:M:711:PHE:O	2.65	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:509:GLU:O	3:M:714:ARG:HB3	2.13	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:510:TRP:CZ3	3:M:711:PHE:C	2.90	0.49
3:M:510:TRP:HB3	3:M:714:ARG:CZ	2.38	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:503:TYR:CA	3:M:714:ARG:HH11	2.11	0.49
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.93	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.93	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.92	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.49
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:509:GLU:OE2	3:M:763:THR:C	2.25	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:509:GLU:CA	3:M:714:ARG:CD	2.88	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.77	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.77	0.48
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.77	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.77	0.48
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.77	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:510:TRP:CB	3:M:714:ARG:NE	2.60	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.48
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:707:CYS:O	3:M:710:GLY:N	2.46	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:509:GLU:CB	3:M:764:LYS:CB	2.72	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:709:LYS:CB	3:M:768:LYS:HZ1	2.23	0.48
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.22	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:507:GLY:O	3:M:764:LYS:HD2	2.13	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:510:TRP:CE2	3:M:711:PHE:N	2.81	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:503:TYR:CD1	3:M:714:ARG:CZ	2.97	0.48
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:708:ARG:O	3:M:768:LYS:NZ	2.47	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
2:C:106:GLU:CG	3:M:25:ILE:HD13	2.43	0.48
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:708:ARG:HA	3:M:712:PRO:HG3	1.96	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:508:ILE:HG22	3:M:714:ARG:HD2	1.96	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.47
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.72	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:508:ILE:CG2	3:M:766:PHE:CE1	2.61	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:509:GLU:HB2	3:M:764:LYS:HB2	1.97	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:709:LYS:HA	3:M:768:LYS:HZ1	0.68	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:762:HIS:CD2	3:M:762:HIS:N	2.78	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:510:TRP:CD2	3:M:711:PHE:O	2.67	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:510:TRP:CD2	3:M:711:PHE:O	2.67	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:508:ILE:HB	3:M:714:ARG:NH1	2.30	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
3:M:508:ILE:HG22	3:M:714:ARG:HE	1.70	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:510:TRP:CH2	3:M:711:PHE:HZ	2.24	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.47
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.46
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.46
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.72	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:709:LYS:C	3:M:710:GLY:C	2.83	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:707:CYS:O	3:M:710:GLY:N	2.49	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:508:ILE:CB	3:M:714:ARG:HD2	2.35	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:709:LYS:N	3:M:710:GLY:N	2.63	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.27	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.19	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.19	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.19	0.46
3:M:707:CYS:O	3:M:710:GLY:N	2.48	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.19	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.19	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:509:GLU:HB3	3:M:714:ARG:HG3	1.79	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:503:TYR:CE2	3:M:714:ARG:NH2	2.80	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:511:GLU:OE2	3:M:761:GLY:HA3	2.12	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:508:ILE:CG1	3:M:766:PHE:HZ	2.17	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
3:M:510:TRP:HH2	3:M:767:PHE:C	2.24	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.24	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:709:LYS:O	3:M:768:LYS:CE	2.64	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.87	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.46	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:509:GLU:HB2	3:M:714:ARG:HB2	1.97	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:509:GLU:N	3:M:714:ARG:CD	2.67	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:510:TRP:CH2	3:M:767:PHE:C	2.93	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.24	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.15	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.41	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.57	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.41	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:508:ILE:HG23	3:M:712:PRO:O	1.97	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:709:LYS:C	3:M:710:GLY:O	2.57	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.16	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:709:LYS:O	3:M:768:LYS:CE	2.65	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.47	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:510:TRP:CA	3:M:714:ARG:NE	2.80	0.45
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:509:GLU:HB2	3:M:714:ARG:CB	2.04	0.45
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.24	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:508:ILE:C	3:M:714:ARG:HH11	2.25	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:510:TRP:NE1	3:M:711:PHE:H	2.15	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:508:ILE:CD1	3:M:766:PHE:CG	3.00	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:503:TYR:CG	3:M:714:ARG:NH1	2.77	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
3:M:511:GLU:N	3:M:766:PHE:CD1	2.84	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:511:GLU:OE1	3:M:761:GLY:HA3	2.18	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:510:TRP:CA	3:M:766:PHE:CD2	3.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:510:TRP:HB2	3:M:714:ARG:NH1	2.15	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.44
3:M:508:ILE:CA	3:M:714:ARG:HH11	2.28	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.44
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.54	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:709:LYS:N	3:M:710:GLY:N	2.65	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.44
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.44
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.44
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.44
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.44
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.44
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.44
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.44
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:508:ILE:CA	3:M:714:ARG:CB	2.73	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.43
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.43
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.85	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:510:TRP:CG	3:M:714:ARG:NH2	2.86	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.85	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.85	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.85	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:509:GLU:HB3	3:M:714:ARG:HB2	2.00	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.43
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.43
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.43
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.19	0.43
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.43
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.83	0.43
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:506:GLU:CD	3:M:764:LYS:HZ1	2.27	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:510:TRP:CE3	3:M:766:PHE:CD2	3.07	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:510:TRP:NE1	3:M:711:PHE:N	2.66	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:709:LYS:CA	3:M:710:GLY:N	2.73	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.44	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:510:TRP:HB2	3:M:714:ARG:NH2	2.33	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.83	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.53	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.19	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.83	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.83	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.44	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.83	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:507:GLY:O	3:M:764:LYS:CD	2.67	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.42
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:510:TRP:N	3:M:714:ARG:NE	2.67	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:511:GLU:OE2	3:M:761:GLY:CA	2.62	0.42
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:510:TRP:CD1	3:M:711:PHE:H	2.37	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:709:LYS:O	3:M:710:GLY:C	2.63	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:510:TRP:CZ3	3:M:711:PHE:HZ	2.13	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:510:TRP:CD2	3:M:766:PHE:HB3	2.53	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.47	0.42
3:M:772:LEU:HD12	3:M:772:LEU:HA	1.82	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:709:LYS:O	3:M:710:GLY:HA2	2.12	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.42
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
2:C:149:VAL:CG2	3:M:797:PHE:HD1	2.09	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.42
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.83	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.20	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.41
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.41
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.80	0.41
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.78	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:509:GLU:HG2	3:M:764:LYS:HE3	1.04	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:509:GLU:HG2	3:M:764:LYS:HE3	1.04	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.41
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:509:GLU:N	3:M:764:LYS:HG3	2.35	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.53	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.59	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:506:GLU:CB	3:M:764:LYS:CE	2.97	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:508:ILE:HG21	3:M:714:ARG:CZ	2.48	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
1:B:125:CYS:HB3	1:B:126:ASP:H	1.80	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.09	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:508:ILE:HB	3:M:714:ARG:CZ	2.35	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.40
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:510:TRP:CD2	3:M:711:PHE:CA	2.85	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.40
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.40
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.04	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:509:GLU:CD	3:M:763:THR:H	2.29	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.40
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.40
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.40
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:709:LYS:N	3:M:710:GLY:N	2.69	0.40
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.40
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:O	3:M:710:GLY:HA2	2.21	0.40
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
2:C:102:VAL:HG22	2:C:139:TYR:CD2	2.57	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:772:LEU:HD12	3:M:772:LEU:HA	1.82	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.40
3:M:94:MET:HE1	3:M:101:ALA:CB	2.51	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:709:LYS:O	3:M:711:PHE:CD2	2.74	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.56	0.40
3:M:94:MET:HE1	3:M:101:ALA:CB	2.51	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:510:TRP:NE1	3:M:711:PHE:N	2.65	0.40
3:M:94:MET:HE1	3:M:101:ALA:CB	2.51	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:94:MET:HE1	3:M:101:ALA:CB	2.51	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:709:LYS:O	3:M:711:PHE:CD2	2.74	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.56	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:94:MET:HE1	3:M:101:ALA:CB	2.51	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.40
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
2:C:56:GLU:O	2:C:60:ALA:N	2.55	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	1-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	2-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	3-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	4-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	5-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1	9
1	6-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	7-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	8-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	9-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1	9
1	10-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	11-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	12-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	13-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	14-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
2	1-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	2-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	3-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	4-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	5-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	6-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	7-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	8-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	9-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	10-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	11-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	12-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	13-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	14-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
3	1-M	788/840 (94%)	651 (83%)	114 (14%)	23 (3%)	3	23
3	2-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	3-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	4-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	5-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	6-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	7-M	788/840 (94%)	651 (83%)	113 (14%)	24 (3%)	3	23
3	8-M	788/840 (94%)	651 (83%)	114 (14%)	23 (3%)	3	23
3	9-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	10-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	11-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	12-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	13-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	14-M	788/840 (94%)	651 (83%)	115 (15%)	22 (3%)	4	24
All	All	15086/15890 (95%)	12316 (82%)	2120 (14%)	650 (4%)	3	17

All (650) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	1-B	76	ASN
1	1-B	109	LYS
1	1-B	115	SER
1	1-B	141	PRO
1	1-B	142	PRO
1	1-B	149	ASP
2	1-C	7	ILE
2	1-C	41	PRO
2	1-C	61	LYS
2	1-C	133	SER
3	1-M	73	LYS
3	1-M	712	PRO
3	1-M	729	ALA
3	1-M	751	ILE
3	1-M	757	GLN
3	1-M	762	HIS
1	2-B	76	ASN
1	2-B	109	LYS
1	2-B	115	SER
1	2-B	141	PRO
1	2-B	142	PRO
1	2-B	149	ASP
2	2-C	7	ILE

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Mol	Chain	Res	Type
2	2-C	41	PRO
2	2-C	61	LYS
2	2-C	133	SER
3	2-M	73	LYS
3	2-M	712	PRO
3	2-M	729	ALA
3	2-M	751	ILE
3	2-M	757	GLN
3	2-M	762	HIS
1	3-B	76	ASN
1	3-B	109	LYS
1	3-B	115	SER
1	3-B	141	PRO
1	3-B	142	PRO
1	3-B	149	ASP
2	3-C	7	ILE
2	3-C	41	PRO
2	3-C	61	LYS
2	3-C	133	SER
3	3-M	73	LYS
3	3-M	712	PRO
3	3-M	729	ALA
3	3-M	751	ILE
3	3-M	757	GLN
3	3-M	762	HIS
1	4-B	76	ASN
1	4-B	109	LYS
1	4-B	115	SER
1	4-B	141	PRO
1	4-B	142	PRO
1	4-B	149	ASP
2	4-C	7	ILE
2	4-C	41	PRO
2	4-C	61	LYS
2	4-C	133	SER
3	4-M	73	LYS
3	4-M	712	PRO
3	4-M	729	ALA
3	4-M	751	ILE
3	4-M	757	GLN
3	4-M	762	HIS
1	5-B	76	ASN

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Mol	Chain	Res	Type
1	5-B	109	LYS
1	5-B	115	SER
1	5-B	141	PRO
1	5-B	142	PRO
1	5-B	149	ASP
2	5-C	7	ILE
2	5-C	41	PRO
2	5-C	61	LYS
2	5-C	133	SER
3	5-M	73	LYS
3	5-M	712	PRO
3	5-M	729	ALA
3	5-M	751	ILE
3	5-M	757	GLN
3	5-M	762	HIS
1	6-B	76	ASN
1	6-B	109	LYS
1	6-B	115	SER
1	6-B	141	PRO
1	6-B	142	PRO
1	6-B	149	ASP
2	6-C	7	ILE
2	6-C	41	PRO
2	6-C	61	LYS
2	6-C	133	SER
3	6-M	73	LYS
3	6-M	712	PRO
3	6-M	729	ALA
3	6-M	751	ILE
3	6-M	757	GLN
3	6-M	762	HIS
1	7-B	76	ASN
1	7-B	109	LYS
1	7-B	115	SER
1	7-B	141	PRO
1	7-B	142	PRO
1	7-B	149	ASP
2	7-C	7	ILE
2	7-C	41	PRO
2	7-C	61	LYS
2	7-C	133	SER
3	7-M	73	LYS

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Mol	Chain	Res	Type
3	7-M	712	PRO
3	7-M	729	ALA
3	7-M	751	ILE
3	7-M	757	GLN
3	7-M	762	HIS
1	8-B	76	ASN
1	8-B	109	LYS
1	8-B	115	SER
1	8-B	141	PRO
1	8-B	142	PRO
1	8-B	149	ASP
2	8-C	7	ILE
2	8-C	41	PRO
2	8-C	61	LYS
2	8-C	133	SER
3	8-M	73	LYS
3	8-M	712	PRO
3	8-M	729	ALA
3	8-M	751	ILE
3	8-M	757	GLN
3	8-M	762	HIS
1	9-B	76	ASN
1	9-B	109	LYS
1	9-B	115	SER
1	9-B	141	PRO
1	9-B	142	PRO
1	9-B	149	ASP
2	9-C	7	ILE
2	9-C	41	PRO
2	9-C	61	LYS
2	9-C	133	SER
3	9-M	73	LYS
3	9-M	712	PRO
3	9-M	729	ALA
3	9-M	751	ILE
3	9-M	757	GLN
3	9-M	762	HIS
1	10-B	76	ASN
1	10-B	109	LYS
1	10-B	115	SER
1	10-B	141	PRO
1	10-B	142	PRO

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Mol	Chain	Res	Type
1	10-B	149	ASP
2	10-C	7	ILE
2	10-C	41	PRO
2	10-C	61	LYS
2	10-C	133	SER
3	10-M	73	LYS
3	10-M	712	PRO
3	10-M	729	ALA
3	10-M	751	ILE
3	10-M	757	GLN
3	10-M	762	HIS
1	11-B	76	ASN
1	11-B	109	LYS
1	11-B	115	SER
1	11-B	141	PRO
1	11-B	142	PRO
1	11-B	149	ASP
2	11-C	7	ILE
2	11-C	41	PRO
2	11-C	61	LYS
2	11-C	133	SER
3	11-M	73	LYS
3	11-M	712	PRO
3	11-M	729	ALA
3	11-M	751	ILE
3	11-M	757	GLN
3	11-M	762	HIS
1	12-B	76	ASN
1	12-B	109	LYS
1	12-B	115	SER
1	12-B	141	PRO
1	12-B	142	PRO
1	12-B	149	ASP
2	12-C	7	ILE
2	12-C	41	PRO
2	12-C	61	LYS
2	12-C	133	SER
3	12-M	73	LYS
3	12-M	712	PRO
3	12-M	729	ALA
3	12-M	751	ILE
3	12-M	757	GLN

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Mol	Chain	Res	Type
3	12-M	762	HIS
1	13-B	76	ASN
1	13-B	109	LYS
1	13-B	115	SER
1	13-B	141	PRO
1	13-B	142	PRO
1	13-B	149	ASP
2	13-C	7	ILE
2	13-C	41	PRO
2	13-C	61	LYS
2	13-C	133	SER
3	13-M	73	LYS
3	13-M	712	PRO
3	13-M	729	ALA
3	13-M	751	ILE
3	13-M	757	GLN
3	13-M	762	HIS
1	14-B	76	ASN
1	14-B	109	LYS
1	14-B	115	SER
1	14-B	141	PRO
1	14-B	142	PRO
1	14-B	149	ASP
2	14-C	7	ILE
2	14-C	41	PRO
2	14-C	61	LYS
2	14-C	133	SER
3	14-M	73	LYS
3	14-M	712	PRO
3	14-M	729	ALA
3	14-M	751	ILE
3	14-M	757	GLN
3	14-M	762	HIS
1	1-B	35	ASP
1	1-B	77	PHE
1	1-B	123	THR
1	1-B	125	CYS
2	1-C	9	ASP
2	1-C	44	ALA
2	1-C	63	ILE
3	1-M	11	GLY
3	1-M	21	GLU

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Mol	Chain	Res	Type
3	1-M	517	MET
3	1-M	532	ILE
3	1-M	731	ALA
3	1-M	827	LYS
1	2-B	35	ASP
1	2-B	77	PHE
1	2-B	123	THR
1	2-B	125	CYS
2	2-C	9	ASP
2	2-C	44	ALA
2	2-C	63	ILE
3	2-M	11	GLY
3	2-M	21	GLU
3	2-M	517	MET
3	2-M	532	ILE
3	2-M	731	ALA
3	2-M	827	LYS
1	3-B	35	ASP
1	3-B	77	PHE
1	3-B	123	THR
1	3-B	125	CYS
2	3-C	9	ASP
2	3-C	44	ALA
2	3-C	63	ILE
3	3-M	11	GLY
3	3-M	21	GLU
3	3-M	517	MET
3	3-M	731	ALA
3	3-M	827	LYS
1	4-B	35	ASP
1	4-B	77	PHE
1	4-B	123	THR
1	4-B	125	CYS
2	4-C	9	ASP
2	4-C	44	ALA
3	4-M	11	GLY
3	4-M	21	GLU
3	4-M	517	MET
3	4-M	532	ILE
3	4-M	731	ALA
3	4-M	827	LYS
1	5-B	35	ASP

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Mol	Chain	Res	Type
1	5-B	77	PHE
1	5-B	123	THR
1	5-B	125	CYS
2	5-C	9	ASP
2	5-C	44	ALA
3	5-M	11	GLY
3	5-M	21	GLU
3	5-M	517	MET
3	5-M	731	ALA
3	5-M	827	LYS
1	6-B	35	ASP
1	6-B	77	PHE
1	6-B	123	THR
1	6-B	125	CYS
2	6-C	9	ASP
2	6-C	44	ALA
3	6-M	11	GLY
3	6-M	21	GLU
3	6-M	517	MET
3	6-M	731	ALA
3	6-M	827	LYS
1	7-B	35	ASP
1	7-B	77	PHE
1	7-B	123	THR
1	7-B	125	CYS
2	7-C	9	ASP
2	7-C	44	ALA
2	7-C	63	ILE
3	7-M	11	GLY
3	7-M	21	GLU
3	7-M	517	MET
3	7-M	532	ILE
3	7-M	731	ALA
3	7-M	827	LYS
1	8-B	35	ASP
1	8-B	77	PHE
1	8-B	123	THR
1	8-B	125	CYS
2	8-C	9	ASP
2	8-C	44	ALA
2	8-C	63	ILE
3	8-M	11	GLY

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Mol	Chain	Res	Type
3	8-M	21	GLU
3	8-M	517	MET
3	8-M	532	ILE
3	8-M	731	ALA
3	8-M	827	LYS
1	9-B	35	ASP
1	9-B	77	PHE
1	9-B	123	THR
1	9-B	125	CYS
2	9-C	9	ASP
2	9-C	44	ALA
3	9-M	11	GLY
3	9-M	21	GLU
3	9-M	517	MET
3	9-M	731	ALA
3	9-M	827	LYS
1	10-B	35	ASP
1	10-B	77	PHE
1	10-B	123	THR
1	10-B	125	CYS
2	10-C	9	ASP
2	10-C	44	ALA
3	10-M	11	GLY
3	10-M	21	GLU
3	10-M	517	MET
3	10-M	731	ALA
3	10-M	827	LYS
1	11-B	35	ASP
1	11-B	77	PHE
1	11-B	123	THR
1	11-B	125	CYS
2	11-C	9	ASP
2	11-C	44	ALA
3	11-M	11	GLY
3	11-M	21	GLU
3	11-M	517	MET
3	11-M	731	ALA
3	11-M	827	LYS
1	12-B	35	ASP
1	12-B	77	PHE
1	12-B	123	THR
1	12-B	125	CYS

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Mol	Chain	Res	Type
2	12-C	9	ASP
2	12-C	44	ALA
3	12-M	11	GLY
3	12-M	21	GLU
3	12-M	517	MET
3	12-M	731	ALA
3	12-M	827	LYS
1	13-B	35	ASP
1	13-B	77	PHE
1	13-B	123	THR
1	13-B	125	CYS
2	13-C	9	ASP
2	13-C	44	ALA
3	13-M	11	GLY
3	13-M	21	GLU
3	13-M	517	MET
3	13-M	731	ALA
3	13-M	827	LYS
1	14-B	35	ASP
1	14-B	77	PHE
1	14-B	123	THR
1	14-B	125	CYS
2	14-C	9	ASP
2	14-C	44	ALA
3	14-M	11	GLY
3	14-M	21	GLU
3	14-M	517	MET
3	14-M	731	ALA
3	14-M	827	LYS
1	1-B	18	MET
2	1-C	20	THR
2	1-C	128	LYS
3	1-M	58	GLY
3	1-M	294	ASN
1	2-B	18	MET
2	2-C	20	THR
2	2-C	128	LYS
3	2-M	58	GLY
3	2-M	294	ASN
1	3-B	18	MET
2	3-C	20	THR
2	3-C	128	LYS

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Mol	Chain	Res	Type
3	3-M	58	GLY
3	3-M	294	ASN
3	3-M	532	ILE
1	4-B	18	MET
2	4-C	20	THR
2	4-C	63	ILE
2	4-C	128	LYS
3	4-M	58	GLY
3	4-M	294	ASN
1	5-B	18	MET
2	5-C	20	THR
2	5-C	63	ILE
2	5-C	128	LYS
3	5-M	58	GLY
3	5-M	294	ASN
3	5-M	532	ILE
1	6-B	18	MET
2	6-C	20	THR
2	6-C	63	ILE
2	6-C	128	LYS
3	6-M	58	GLY
3	6-M	294	ASN
3	6-M	532	ILE
1	7-B	18	MET
2	7-C	20	THR
2	7-C	128	LYS
3	7-M	58	GLY
3	7-M	294	ASN
1	8-B	18	MET
2	8-C	20	THR
2	8-C	128	LYS
3	8-M	58	GLY
3	8-M	294	ASN
1	9-B	18	MET
2	9-C	20	THR
2	9-C	63	ILE
2	9-C	128	LYS
3	9-M	58	GLY
3	9-M	294	ASN
3	9-M	532	ILE
1	10-B	18	MET
2	10-C	20	THR

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Mol	Chain	Res	Type
2	10-C	63	ILE
2	10-C	128	LYS
3	10-M	58	GLY
3	10-M	294	ASN
3	10-M	532	ILE
1	11-B	18	MET
2	11-C	20	THR
2	11-C	63	ILE
2	11-C	128	LYS
3	11-M	58	GLY
3	11-M	294	ASN
3	11-M	532	ILE
1	12-B	18	MET
2	12-C	20	THR
2	12-C	63	ILE
2	12-C	128	LYS
3	12-M	58	GLY
3	12-M	294	ASN
3	12-M	532	ILE
1	13-B	18	MET
2	13-C	20	THR
2	13-C	63	ILE
2	13-C	128	LYS
3	13-M	58	GLY
3	13-M	294	ASN
3	13-M	532	ILE
1	14-B	18	MET
2	14-C	20	THR
2	14-C	63	ILE
2	14-C	128	LYS
3	14-M	58	GLY
3	14-M	294	ASN
3	14-M	532	ILE
2	1-C	96	LYS
3	1-M	269	LEU
3	1-M	435	GLU
3	1-M	817	GLN
2	2-C	96	LYS
3	2-M	269	LEU
3	2-M	435	GLU
3	2-M	817	GLN
2	3-C	96	LYS

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Mol	Chain	Res	Type
3	3-M	269	LEU
3	3-M	435	GLU
3	3-M	817	GLN
2	4-C	96	LYS
3	4-M	269	LEU
3	4-M	435	GLU
3	4-M	817	GLN
2	5-C	96	LYS
3	5-M	269	LEU
3	5-M	435	GLU
3	5-M	817	GLN
2	6-C	96	LYS
3	6-M	269	LEU
3	6-M	435	GLU
3	6-M	817	GLN
2	7-C	96	LYS
3	7-M	269	LEU
3	7-M	435	GLU
3	7-M	817	GLN
2	8-C	96	LYS
3	8-M	269	LEU
3	8-M	435	GLU
3	8-M	817	GLN
2	9-C	96	LYS
3	9-M	269	LEU
3	9-M	435	GLU
3	9-M	817	GLN
2	10-C	96	LYS
3	10-M	269	LEU
3	10-M	435	GLU
3	10-M	817	GLN
2	11-C	96	LYS
3	11-M	269	LEU
3	11-M	435	GLU
3	11-M	817	GLN
2	12-C	96	LYS
3	12-M	269	LEU
3	12-M	435	GLU
3	12-M	817	GLN
2	13-C	96	LYS
3	13-M	269	LEU
3	13-M	435	GLU

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Mol	Chain	Res	Type
3	13-M	817	GLN
2	14-C	96	LYS
3	14-M	269	LEU
3	14-M	435	GLU
3	14-M	817	GLN
1	1-B	105	ASP
3	1-M	8	ALA
3	1-M	556	ASP
1	2-B	105	ASP
3	2-M	8	ALA
3	2-M	556	ASP
1	3-B	105	ASP
3	3-M	8	ALA
3	3-M	556	ASP
1	4-B	105	ASP
2	4-C	148	SER
3	4-M	8	ALA
3	4-M	556	ASP
1	5-B	105	ASP
3	5-M	8	ALA
3	5-M	556	ASP
1	6-B	105	ASP
2	6-C	148	SER
3	6-M	8	ALA
3	6-M	556	ASP
1	7-B	105	ASP
2	7-C	148	SER
3	7-M	8	ALA
3	7-M	556	ASP
1	8-B	105	ASP
2	8-C	148	SER
3	8-M	8	ALA
3	8-M	556	ASP
1	9-B	105	ASP
3	9-M	8	ALA
3	9-M	556	ASP
1	10-B	105	ASP
3	10-M	8	ALA
3	10-M	556	ASP
1	11-B	105	ASP
3	11-M	8	ALA
3	11-M	556	ASP

Continued on next page...

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Mol	Chain	Res	Type
1	12-B	105	ASP
3	12-M	8	ALA
3	12-M	556	ASP
1	13-B	105	ASP
3	13-M	8	ALA
3	13-M	556	ASP
1	14-B	105	ASP
3	14-M	8	ALA
3	14-M	556	ASP
2	1-C	148	SER
3	1-M	79	SER
3	1-M	219	GLU
2	2-C	148	SER
3	2-M	79	SER
3	2-M	219	GLU
2	3-C	148	SER
3	3-M	79	SER
3	4-M	79	SER
3	4-M	219	GLU
2	5-C	148	SER
3	5-M	79	SER
3	6-M	79	SER
3	7-M	79	SER
3	7-M	219	GLU
3	7-M	822	SER
3	8-M	79	SER
3	8-M	219	GLU
2	9-C	148	SER
3	9-M	79	SER
2	10-C	148	SER
3	10-M	219	GLU
2	11-C	148	SER
3	11-M	219	GLU
2	12-C	148	SER
3	12-M	219	GLU
2	13-C	148	SER
3	13-M	219	GLU
2	14-C	148	SER
3	14-M	219	GLU
3	1-M	287	ILE
3	1-M	840	PRO
3	2-M	287	ILE

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Mol	Chain	Res	Type
3	2-M	840	PRO
3	3-M	287	ILE
3	3-M	840	PRO
3	4-M	287	ILE
3	4-M	840	PRO
3	5-M	287	ILE
3	5-M	840	PRO
3	6-M	287	ILE
3	6-M	840	PRO
3	7-M	287	ILE
3	7-M	840	PRO
3	8-M	287	ILE
3	8-M	840	PRO
3	9-M	287	ILE
3	9-M	840	PRO
3	10-M	287	ILE
3	10-M	840	PRO
3	11-M	287	ILE
3	11-M	840	PRO
3	12-M	287	ILE
3	12-M	840	PRO
3	13-M	287	ILE
3	13-M	840	PRO
3	14-M	287	ILE
3	14-M	840	PRO
2	3-C	115	GLY
2	4-C	115	GLY
2	6-C	115	GLY
2	9-C	115	GLY
2	10-C	115	GLY
2	11-C	115	GLY
2	12-C	115	GLY
2	13-C	115	GLY
2	14-C	115	GLY
2	1-C	115	GLY
2	2-C	115	GLY
2	5-C	115	GLY
2	7-C	115	GLY
2	8-C	115	GLY

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	1-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	2-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	3-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	4-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	5-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	6-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	7-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	8-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	9-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	10-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	11-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	12-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	13-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	14-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
2	1-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	2-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	3-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	4-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	5-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	6-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	7-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	8-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	9-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	10-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	11-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	12-C	120/122 (98%)	107 (89%)	13 (11%)	6 21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
2	13-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
2	14-C	120/122 (98%)	107 (89%)	13 (11%)	6 21
3	1-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	2-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	3-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	4-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	5-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	6-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	7-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	8-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	9-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	10-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	11-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	12-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	13-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
3	14-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
All	All	13174/13664 (96%)	10094 (77%)	3080 (23%)	2 5

All (3080) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1-B	16	PHE
1	1-B	35	ASP
1	1-B	75	ILE
1	1-B	94	GLU
1	1-B	107	ASP
1	1-B	114	LYS
1	1-B	117	LEU
1	1-B	129	THR
1	1-B	141	PRO
1	1-B	144	VAL
1	1-B	147	ASN
1	1-B	162	ASP
2	1-C	5	ASP
2	1-C	6	GLU
2	1-C	7	ILE

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Mol	Chain	Res	Type
2	1-C	28	SER
2	1-C	49	ILE
2	1-C	55	LYS
2	1-C	63	ILE
2	1-C	65	PHE
2	1-C	84	PHE
2	1-C	96	LYS
2	1-C	102	VAL
2	1-C	131	GLU
2	1-C	137	ILE
3	1-M	7	MET
3	1-M	12	GLU
3	1-M	17	LEU
3	1-M	20	SER
3	1-M	22	LYS
3	1-M	23	GLU
3	1-M	25	ILE
3	1-M	30	LYS
3	1-M	35	LYS
3	1-M	36	SER
3	1-M	37	SER
3	1-M	38	VAL
3	1-M	40	VAL
3	1-M	41	VAL
3	1-M	46	SER
3	1-M	49	LYS
3	1-M	52	ILE
3	1-M	55	LYS
3	1-M	61	THR
3	1-M	65	GLU
3	1-M	69	THR
3	1-M	70	LEU
3	1-M	72	VAL
3	1-M	73	LYS
3	1-M	75	ASP
3	1-M	76	GLN
3	1-M	88	ILE
3	1-M	97	LEU
3	1-M	106	LEU
3	1-M	109	ARG
3	1-M	114	MET
3	1-M	117	THR

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Mol	Chain	Res	Type
3	1-M	121	LEU
3	1-M	125	THR
3	1-M	126	VAL
3	1-M	127	ASN
3	1-M	130	LYS
3	1-M	136	ASN
3	1-M	146	LYS
3	1-M	149	GLN
3	1-M	155	ILE
3	1-M	157	SER
3	1-M	158	ILE
3	1-M	159	SER
3	1-M	166	MET
3	1-M	167	LEU
3	1-M	169	ASP
3	1-M	170	ARG
3	1-M	173	GLN
3	1-M	175	ILE
3	1-M	178	THR
3	1-M	180	GLU
3	1-M	185	LYS
3	1-M	186	THR
3	1-M	187	VAL
3	1-M	189	THR
3	1-M	191	ARG
3	1-M	193	ILE
3	1-M	194	GLN
3	1-M	198	THR
3	1-M	199	ILE
3	1-M	202	SER
3	1-M	218	LEU
3	1-M	221	GLN
3	1-M	223	ILE
3	1-M	229	LEU
3	1-M	244	SER
3	1-M	245	ARG
3	1-M	248	LYS
3	1-M	251	ARG
3	1-M	273	SER
3	1-M	274	ARG
3	1-M	278	GLN
3	1-M	282	GLU

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Mol	Chain	Res	Type
3	1-M	287	ILE
3	1-M	290	GLN
3	1-M	291	ILE
3	1-M	294	ASN
3	1-M	298	GLU
3	1-M	300	ILE
3	1-M	302	MET
3	1-M	303	LEU
3	1-M	305	ILE
3	1-M	315	VAL
3	1-M	325	ILE
3	1-M	331	LEU
3	1-M	332	MET
3	1-M	336	SER
3	1-M	351	ILE
3	1-M	354	LEU
3	1-M	359	MET
3	1-M	364	LEU
3	1-M	365	LYS
3	1-M	372	GLU
3	1-M	376	GLU
3	1-M	381	GLU
3	1-M	389	LEU
3	1-M	392	LEU
3	1-M	394	SER
3	1-M	399	LYS
3	1-M	401	LEU
3	1-M	405	ARG
3	1-M	410	ASN
3	1-M	411	GLU
3	1-M	436	LYS
3	1-M	439	LEU
3	1-M	448	GLN
3	1-M	449	LEU
3	1-M	452	LYS
3	1-M	453	GLN
3	1-M	455	ARG
3	1-M	456	GLN
3	1-M	457	TYR
3	1-M	462	LEU
3	1-M	471	ASP
3	1-M	480	ILE

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Mol	Chain	Res	Type
3	1-M	487	LEU
3	1-M	495	MET
3	1-M	498	LEU
3	1-M	499	GLU
3	1-M	504	LYS
3	1-M	506	GLU
3	1-M	513	ILE
3	1-M	524	GLU
3	1-M	530	MET
3	1-M	532	ILE
3	1-M	534	SER
3	1-M	537	GLU
3	1-M	549	SER
3	1-M	561	LYS
3	1-M	562	SER
3	1-M	580	SER
3	1-M	593	SER
3	1-M	596	LEU
3	1-M	597	GLU
3	1-M	598	LYS
3	1-M	604	ASN
3	1-M	608	ILE
3	1-M	610	LEU
3	1-M	613	LYS
3	1-M	615	SER
3	1-M	621	LEU
3	1-M	625	THR
3	1-M	664	LEU
3	1-M	666	SER
3	1-M	673	ARG
3	1-M	675	ILE
3	1-M	676	ILE
3	1-M	681	LYS
3	1-M	686	MET
3	1-M	689	GLU
3	1-M	690	LEU
3	1-M	693	HIS
3	1-M	698	ASN
3	1-M	700	VAL
3	1-M	701	LEU
3	1-M	702	GLU
3	1-M	704	ILE

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Mol	Chain	Res	Type
3	1-M	705	ARG
3	1-M	707	CYS
3	1-M	708	ARG
3	1-M	713	SER
3	1-M	714	ARG
3	1-M	716	LEU
3	1-M	722	GLN
3	1-M	723	ARG
3	1-M	727	LEU
3	1-M	728	ASN
3	1-M	734	GLU
3	1-M	737	PHE
3	1-M	744	SER
3	1-M	745	GLU
3	1-M	748	LEU
3	1-M	752	ASP
3	1-M	753	VAL
3	1-M	754	ASP
3	1-M	762	HIS
3	1-M	772	LEU
3	1-M	774	LEU
3	1-M	785	GLU
3	1-M	787	ILE
3	1-M	793	ARG
3	1-M	798	LEU
3	1-M	799	MET
3	1-M	802	GLU
3	1-M	810	ARG
3	1-M	816	ILE
3	1-M	819	ASN
3	1-M	822	SER
3	1-M	832	MET
3	1-M	833	LYS
3	1-M	834	LEU
3	1-M	838	ILE
3	1-M	842	LEU
3	1-M	843	LYS
1	2-B	16	PHE
1	2-B	35	ASP
1	2-B	75	ILE
1	2-B	94	GLU
1	2-B	107	ASP

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Mol	Chain	Res	Type
1	2-B	114	LYS
1	2-B	117	LEU
1	2-B	129	THR
1	2-B	141	PRO
1	2-B	144	VAL
1	2-B	147	ASN
1	2-B	162	ASP
2	2-C	5	ASP
2	2-C	6	GLU
2	2-C	7	ILE
2	2-C	28	SER
2	2-C	49	ILE
2	2-C	55	LYS
2	2-C	63	ILE
2	2-C	65	PHE
2	2-C	84	PHE
2	2-C	96	LYS
2	2-C	102	VAL
2	2-C	131	GLU
2	2-C	137	ILE
3	2-M	7	MET
3	2-M	12	GLU
3	2-M	17	LEU
3	2-M	20	SER
3	2-M	22	LYS
3	2-M	23	GLU
3	2-M	25	ILE
3	2-M	30	LYS
3	2-M	35	LYS
3	2-M	36	SER
3	2-M	37	SER
3	2-M	38	VAL
3	2-M	40	VAL
3	2-M	41	VAL
3	2-M	46	SER
3	2-M	49	LYS
3	2-M	52	ILE
3	2-M	55	LYS
3	2-M	61	THR
3	2-M	65	GLU
3	2-M	69	THR
3	2-M	70	LEU

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Mol	Chain	Res	Type
3	2-M	72	VAL
3	2-M	73	LYS
3	2-M	75	ASP
3	2-M	76	GLN
3	2-M	88	ILE
3	2-M	97	LEU
3	2-M	106	LEU
3	2-M	109	ARG
3	2-M	114	MET
3	2-M	117	THR
3	2-M	121	LEU
3	2-M	125	THR
3	2-M	126	VAL
3	2-M	127	ASN
3	2-M	130	LYS
3	2-M	136	ASN
3	2-M	146	LYS
3	2-M	149	GLN
3	2-M	155	ILE
3	2-M	157	SER
3	2-M	158	ILE
3	2-M	159	SER
3	2-M	166	MET
3	2-M	167	LEU
3	2-M	169	ASP
3	2-M	170	ARG
3	2-M	173	GLN
3	2-M	175	ILE
3	2-M	178	THR
3	2-M	180	GLU
3	2-M	185	LYS
3	2-M	186	THR
3	2-M	187	VAL
3	2-M	189	THR
3	2-M	191	ARG
3	2-M	193	ILE
3	2-M	194	GLN
3	2-M	198	THR
3	2-M	199	ILE
3	2-M	202	SER
3	2-M	218	LEU
3	2-M	221	GLN

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Mol	Chain	Res	Type
3	2-M	223	ILE
3	2-M	229	LEU
3	2-M	244	SER
3	2-M	245	ARG
3	2-M	248	LYS
3	2-M	251	ARG
3	2-M	273	SER
3	2-M	274	ARG
3	2-M	278	GLN
3	2-M	282	GLU
3	2-M	287	ILE
3	2-M	290	GLN
3	2-M	291	ILE
3	2-M	294	ASN
3	2-M	298	GLU
3	2-M	300	ILE
3	2-M	302	MET
3	2-M	303	LEU
3	2-M	305	ILE
3	2-M	315	VAL
3	2-M	325	ILE
3	2-M	331	LEU
3	2-M	332	MET
3	2-M	336	SER
3	2-M	351	ILE
3	2-M	354	LEU
3	2-M	359	MET
3	2-M	364	LEU
3	2-M	365	LYS
3	2-M	372	GLU
3	2-M	376	GLU
3	2-M	381	GLU
3	2-M	389	LEU
3	2-M	392	LEU
3	2-M	394	SER
3	2-M	399	LYS
3	2-M	401	LEU
3	2-M	405	ARG
3	2-M	410	ASN
3	2-M	411	GLU
3	2-M	436	LYS
3	2-M	439	LEU

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Mol	Chain	Res	Type
3	2-M	448	GLN
3	2-M	449	LEU
3	2-M	452	LYS
3	2-M	453	GLN
3	2-M	455	ARG
3	2-M	456	GLN
3	2-M	457	TYR
3	2-M	462	LEU
3	2-M	471	ASP
3	2-M	480	ILE
3	2-M	487	LEU
3	2-M	495	MET
3	2-M	498	LEU
3	2-M	499	GLU
3	2-M	504	LYS
3	2-M	506	GLU
3	2-M	513	ILE
3	2-M	524	GLU
3	2-M	530	MET
3	2-M	532	ILE
3	2-M	534	SER
3	2-M	537	GLU
3	2-M	549	SER
3	2-M	561	LYS
3	2-M	562	SER
3	2-M	580	SER
3	2-M	593	SER
3	2-M	596	LEU
3	2-M	597	GLU
3	2-M	598	LYS
3	2-M	604	ASN
3	2-M	608	ILE
3	2-M	610	LEU
3	2-M	613	LYS
3	2-M	615	SER
3	2-M	621	LEU
3	2-M	625	THR
3	2-M	664	LEU
3	2-M	666	SER
3	2-M	673	ARG
3	2-M	675	ILE
3	2-M	676	ILE

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Mol	Chain	Res	Type
3	2-M	681	LYS
3	2-M	686	MET
3	2-M	689	GLU
3	2-M	690	LEU
3	2-M	693	HIS
3	2-M	698	ASN
3	2-M	700	VAL
3	2-M	701	LEU
3	2-M	702	GLU
3	2-M	704	ILE
3	2-M	705	ARG
3	2-M	707	CYS
3	2-M	708	ARG
3	2-M	713	SER
3	2-M	714	ARG
3	2-M	716	LEU
3	2-M	722	GLN
3	2-M	723	ARG
3	2-M	727	LEU
3	2-M	728	ASN
3	2-M	734	GLU
3	2-M	737	PHE
3	2-M	744	SER
3	2-M	745	GLU
3	2-M	748	LEU
3	2-M	752	ASP
3	2-M	753	VAL
3	2-M	754	ASP
3	2-M	762	HIS
3	2-M	772	LEU
3	2-M	774	LEU
3	2-M	785	GLU
3	2-M	787	ILE
3	2-M	793	ARG
3	2-M	798	LEU
3	2-M	799	MET
3	2-M	802	GLU
3	2-M	810	ARG
3	2-M	816	ILE
3	2-M	819	ASN
3	2-M	822	SER
3	2-M	832	MET

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Mol	Chain	Res	Type
3	2-M	833	LYS
3	2-M	834	LEU
3	2-M	838	ILE
3	2-M	842	LEU
3	2-M	843	LYS
1	3-B	16	PHE
1	3-B	35	ASP
1	3-B	75	ILE
1	3-B	94	GLU
1	3-B	107	ASP
1	3-B	114	LYS
1	3-B	117	LEU
1	3-B	129	THR
1	3-B	141	PRO
1	3-B	144	VAL
1	3-B	147	ASN
1	3-B	162	ASP
2	3-C	5	ASP
2	3-C	6	GLU
2	3-C	7	ILE
2	3-C	28	SER
2	3-C	49	ILE
2	3-C	55	LYS
2	3-C	63	ILE
2	3-C	65	PHE
2	3-C	84	PHE
2	3-C	96	LYS
2	3-C	102	VAL
2	3-C	131	GLU
2	3-C	137	ILE
3	3-M	7	MET
3	3-M	12	GLU
3	3-M	17	LEU
3	3-M	20	SER
3	3-M	22	LYS
3	3-M	23	GLU
3	3-M	25	ILE
3	3-M	30	LYS
3	3-M	35	LYS
3	3-M	36	SER
3	3-M	37	SER
3	3-M	38	VAL

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Mol	Chain	Res	Type
3	3-M	40	VAL
3	3-M	41	VAL
3	3-M	46	SER
3	3-M	49	LYS
3	3-M	52	ILE
3	3-M	55	LYS
3	3-M	61	THR
3	3-M	65	GLU
3	3-M	69	THR
3	3-M	70	LEU
3	3-M	72	VAL
3	3-M	73	LYS
3	3-M	75	ASP
3	3-M	76	GLN
3	3-M	88	ILE
3	3-M	97	LEU
3	3-M	106	LEU
3	3-M	109	ARG
3	3-M	114	MET
3	3-M	117	THR
3	3-M	121	LEU
3	3-M	125	THR
3	3-M	126	VAL
3	3-M	127	ASN
3	3-M	130	LYS
3	3-M	136	ASN
3	3-M	146	LYS
3	3-M	149	GLN
3	3-M	155	ILE
3	3-M	157	SER
3	3-M	158	ILE
3	3-M	159	SER
3	3-M	166	MET
3	3-M	167	LEU
3	3-M	169	ASP
3	3-M	170	ARG
3	3-M	173	GLN
3	3-M	175	ILE
3	3-M	178	THR
3	3-M	180	GLU
3	3-M	185	LYS
3	3-M	186	THR

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Mol	Chain	Res	Type
3	3-M	187	VAL
3	3-M	189	THR
3	3-M	191	ARG
3	3-M	193	ILE
3	3-M	194	GLN
3	3-M	198	THR
3	3-M	199	ILE
3	3-M	202	SER
3	3-M	218	LEU
3	3-M	221	GLN
3	3-M	223	ILE
3	3-M	229	LEU
3	3-M	244	SER
3	3-M	245	ARG
3	3-M	248	LYS
3	3-M	251	ARG
3	3-M	273	SER
3	3-M	274	ARG
3	3-M	278	GLN
3	3-M	282	GLU
3	3-M	287	ILE
3	3-M	290	GLN
3	3-M	291	ILE
3	3-M	294	ASN
3	3-M	298	GLU
3	3-M	300	ILE
3	3-M	302	MET
3	3-M	303	LEU
3	3-M	305	ILE
3	3-M	315	VAL
3	3-M	325	ILE
3	3-M	331	LEU
3	3-M	332	MET
3	3-M	336	SER
3	3-M	351	ILE
3	3-M	354	LEU
3	3-M	359	MET
3	3-M	364	LEU
3	3-M	365	LYS
3	3-M	372	GLU
3	3-M	376	GLU
3	3-M	381	GLU

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Mol	Chain	Res	Type
3	3-M	389	LEU
3	3-M	392	LEU
3	3-M	394	SER
3	3-M	399	LYS
3	3-M	401	LEU
3	3-M	405	ARG
3	3-M	410	ASN
3	3-M	411	GLU
3	3-M	436	LYS
3	3-M	439	LEU
3	3-M	448	GLN
3	3-M	449	LEU
3	3-M	452	LYS
3	3-M	453	GLN
3	3-M	455	ARG
3	3-M	456	GLN
3	3-M	457	TYR
3	3-M	462	LEU
3	3-M	471	ASP
3	3-M	480	ILE
3	3-M	487	LEU
3	3-M	495	MET
3	3-M	498	LEU
3	3-M	499	GLU
3	3-M	504	LYS
3	3-M	506	GLU
3	3-M	513	ILE
3	3-M	524	GLU
3	3-M	530	MET
3	3-M	532	ILE
3	3-M	534	SER
3	3-M	537	GLU
3	3-M	549	SER
3	3-M	561	LYS
3	3-M	562	SER
3	3-M	580	SER
3	3-M	593	SER
3	3-M	596	LEU
3	3-M	597	GLU
3	3-M	598	LYS
3	3-M	604	ASN
3	3-M	608	ILE

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Mol	Chain	Res	Type
3	3-M	610	LEU
3	3-M	613	LYS
3	3-M	615	SER
3	3-M	621	LEU
3	3-M	625	THR
3	3-M	664	LEU
3	3-M	666	SER
3	3-M	673	ARG
3	3-M	675	ILE
3	3-M	676	ILE
3	3-M	681	LYS
3	3-M	686	MET
3	3-M	689	GLU
3	3-M	690	LEU
3	3-M	693	HIS
3	3-M	698	ASN
3	3-M	700	VAL
3	3-M	701	LEU
3	3-M	702	GLU
3	3-M	704	ILE
3	3-M	705	ARG
3	3-M	707	CYS
3	3-M	708	ARG
3	3-M	713	SER
3	3-M	714	ARG
3	3-M	716	LEU
3	3-M	722	GLN
3	3-M	723	ARG
3	3-M	727	LEU
3	3-M	728	ASN
3	3-M	734	GLU
3	3-M	737	PHE
3	3-M	744	SER
3	3-M	745	GLU
3	3-M	748	LEU
3	3-M	752	ASP
3	3-M	753	VAL
3	3-M	754	ASP
3	3-M	762	HIS
3	3-M	772	LEU
3	3-M	774	LEU
3	3-M	785	GLU

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Mol	Chain	Res	Type
3	3-M	787	ILE
3	3-M	793	ARG
3	3-M	798	LEU
3	3-M	799	MET
3	3-M	802	GLU
3	3-M	810	ARG
3	3-M	816	ILE
3	3-M	819	ASN
3	3-M	822	SER
3	3-M	832	MET
3	3-M	833	LYS
3	3-M	834	LEU
3	3-M	838	ILE
3	3-M	842	LEU
3	3-M	843	LYS
1	4-B	16	PHE
1	4-B	35	ASP
1	4-B	75	ILE
1	4-B	94	GLU
1	4-B	107	ASP
1	4-B	114	LYS
1	4-B	117	LEU
1	4-B	129	THR
1	4-B	141	PRO
1	4-B	144	VAL
1	4-B	147	ASN
1	4-B	162	ASP
2	4-C	5	ASP
2	4-C	6	GLU
2	4-C	7	ILE
2	4-C	28	SER
2	4-C	49	ILE
2	4-C	55	LYS
2	4-C	63	ILE
2	4-C	65	PHE
2	4-C	84	PHE
2	4-C	96	LYS
2	4-C	102	VAL
2	4-C	131	GLU
2	4-C	137	ILE
3	4-M	7	MET
3	4-M	12	GLU

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Mol	Chain	Res	Type
3	4-M	17	LEU
3	4-M	20	SER
3	4-M	22	LYS
3	4-M	23	GLU
3	4-M	25	ILE
3	4-M	30	LYS
3	4-M	35	LYS
3	4-M	36	SER
3	4-M	37	SER
3	4-M	38	VAL
3	4-M	40	VAL
3	4-M	41	VAL
3	4-M	46	SER
3	4-M	49	LYS
3	4-M	52	ILE
3	4-M	55	LYS
3	4-M	61	THR
3	4-M	65	GLU
3	4-M	69	THR
3	4-M	70	LEU
3	4-M	72	VAL
3	4-M	73	LYS
3	4-M	75	ASP
3	4-M	76	GLN
3	4-M	88	ILE
3	4-M	97	LEU
3	4-M	106	LEU
3	4-M	109	ARG
3	4-M	114	MET
3	4-M	117	THR
3	4-M	121	LEU
3	4-M	125	THR
3	4-M	126	VAL
3	4-M	127	ASN
3	4-M	130	LYS
3	4-M	136	ASN
3	4-M	146	LYS
3	4-M	149	GLN
3	4-M	155	ILE
3	4-M	157	SER
3	4-M	158	ILE
3	4-M	159	SER

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Mol	Chain	Res	Type
3	4-M	166	MET
3	4-M	167	LEU
3	4-M	169	ASP
3	4-M	170	ARG
3	4-M	173	GLN
3	4-M	175	ILE
3	4-M	178	THR
3	4-M	180	GLU
3	4-M	185	LYS
3	4-M	186	THR
3	4-M	187	VAL
3	4-M	189	THR
3	4-M	191	ARG
3	4-M	193	ILE
3	4-M	194	GLN
3	4-M	198	THR
3	4-M	199	ILE
3	4-M	202	SER
3	4-M	218	LEU
3	4-M	221	GLN
3	4-M	223	ILE
3	4-M	229	LEU
3	4-M	244	SER
3	4-M	245	ARG
3	4-M	248	LYS
3	4-M	251	ARG
3	4-M	273	SER
3	4-M	274	ARG
3	4-M	278	GLN
3	4-M	282	GLU
3	4-M	287	ILE
3	4-M	290	GLN
3	4-M	291	ILE
3	4-M	294	ASN
3	4-M	298	GLU
3	4-M	300	ILE
3	4-M	302	MET
3	4-M	303	LEU
3	4-M	305	ILE
3	4-M	315	VAL
3	4-M	325	ILE
3	4-M	331	LEU

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Mol	Chain	Res	Type
3	4-M	332	MET
3	4-M	336	SER
3	4-M	351	ILE
3	4-M	354	LEU
3	4-M	359	MET
3	4-M	364	LEU
3	4-M	365	LYS
3	4-M	372	GLU
3	4-M	376	GLU
3	4-M	381	GLU
3	4-M	389	LEU
3	4-M	392	LEU
3	4-M	394	SER
3	4-M	399	LYS
3	4-M	401	LEU
3	4-M	405	ARG
3	4-M	410	ASN
3	4-M	411	GLU
3	4-M	436	LYS
3	4-M	439	LEU
3	4-M	448	GLN
3	4-M	449	LEU
3	4-M	452	LYS
3	4-M	453	GLN
3	4-M	455	ARG
3	4-M	456	GLN
3	4-M	457	TYR
3	4-M	462	LEU
3	4-M	471	ASP
3	4-M	480	ILE
3	4-M	487	LEU
3	4-M	495	MET
3	4-M	498	LEU
3	4-M	499	GLU
3	4-M	504	LYS
3	4-M	506	GLU
3	4-M	513	ILE
3	4-M	524	GLU
3	4-M	530	MET
3	4-M	532	ILE
3	4-M	534	SER
3	4-M	537	GLU

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Mol	Chain	Res	Type
3	4-M	549	SER
3	4-M	561	LYS
3	4-M	562	SER
3	4-M	580	SER
3	4-M	593	SER
3	4-M	596	LEU
3	4-M	597	GLU
3	4-M	598	LYS
3	4-M	604	ASN
3	4-M	608	ILE
3	4-M	610	LEU
3	4-M	613	LYS
3	4-M	615	SER
3	4-M	621	LEU
3	4-M	625	THR
3	4-M	664	LEU
3	4-M	666	SER
3	4-M	673	ARG
3	4-M	675	ILE
3	4-M	676	ILE
3	4-M	681	LYS
3	4-M	686	MET
3	4-M	689	GLU
3	4-M	690	LEU
3	4-M	693	HIS
3	4-M	698	ASN
3	4-M	700	VAL
3	4-M	701	LEU
3	4-M	702	GLU
3	4-M	704	ILE
3	4-M	705	ARG
3	4-M	707	CYS
3	4-M	708	ARG
3	4-M	713	SER
3	4-M	714	ARG
3	4-M	716	LEU
3	4-M	722	GLN
3	4-M	723	ARG
3	4-M	727	LEU
3	4-M	728	ASN
3	4-M	734	GLU
3	4-M	737	PHE

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Mol	Chain	Res	Type
3	4-M	744	SER
3	4-M	745	GLU
3	4-M	748	LEU
3	4-M	752	ASP
3	4-M	753	VAL
3	4-M	754	ASP
3	4-M	762	HIS
3	4-M	772	LEU
3	4-M	774	LEU
3	4-M	785	GLU
3	4-M	787	ILE
3	4-M	793	ARG
3	4-M	798	LEU
3	4-M	799	MET
3	4-M	802	GLU
3	4-M	810	ARG
3	4-M	816	ILE
3	4-M	819	ASN
3	4-M	822	SER
3	4-M	832	MET
3	4-M	833	LYS
3	4-M	834	LEU
3	4-M	838	ILE
3	4-M	842	LEU
3	4-M	843	LYS
1	5-B	16	PHE
1	5-B	35	ASP
1	5-B	75	ILE
1	5-B	94	GLU
1	5-B	107	ASP
1	5-B	114	LYS
1	5-B	117	LEU
1	5-B	129	THR
1	5-B	141	PRO
1	5-B	144	VAL
1	5-B	147	ASN
1	5-B	162	ASP
2	5-C	5	ASP
2	5-C	6	GLU
2	5-C	7	ILE
2	5-C	28	SER
2	5-C	49	ILE

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Mol	Chain	Res	Type
2	5-C	55	LYS
2	5-C	63	ILE
2	5-C	65	PHE
2	5-C	84	PHE
2	5-C	96	LYS
2	5-C	102	VAL
2	5-C	131	GLU
2	5-C	137	ILE
3	5-M	7	MET
3	5-M	12	GLU
3	5-M	17	LEU
3	5-M	20	SER
3	5-M	22	LYS
3	5-M	23	GLU
3	5-M	25	ILE
3	5-M	30	LYS
3	5-M	35	LYS
3	5-M	36	SER
3	5-M	37	SER
3	5-M	38	VAL
3	5-M	40	VAL
3	5-M	41	VAL
3	5-M	46	SER
3	5-M	49	LYS
3	5-M	52	ILE
3	5-M	55	LYS
3	5-M	61	THR
3	5-M	65	GLU
3	5-M	69	THR
3	5-M	70	LEU
3	5-M	72	VAL
3	5-M	73	LYS
3	5-M	75	ASP
3	5-M	76	GLN
3	5-M	88	ILE
3	5-M	97	LEU
3	5-M	106	LEU
3	5-M	109	ARG
3	5-M	114	MET
3	5-M	117	THR
3	5-M	121	LEU
3	5-M	125	THR

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Mol	Chain	Res	Type
3	5-M	126	VAL
3	5-M	127	ASN
3	5-M	130	LYS
3	5-M	136	ASN
3	5-M	146	LYS
3	5-M	149	GLN
3	5-M	155	ILE
3	5-M	157	SER
3	5-M	158	ILE
3	5-M	159	SER
3	5-M	166	MET
3	5-M	167	LEU
3	5-M	169	ASP
3	5-M	170	ARG
3	5-M	173	GLN
3	5-M	175	ILE
3	5-M	178	THR
3	5-M	180	GLU
3	5-M	185	LYS
3	5-M	186	THR
3	5-M	187	VAL
3	5-M	189	THR
3	5-M	191	ARG
3	5-M	193	ILE
3	5-M	194	GLN
3	5-M	198	THR
3	5-M	199	ILE
3	5-M	202	SER
3	5-M	218	LEU
3	5-M	221	GLN
3	5-M	223	ILE
3	5-M	229	LEU
3	5-M	244	SER
3	5-M	245	ARG
3	5-M	248	LYS
3	5-M	251	ARG
3	5-M	273	SER
3	5-M	274	ARG
3	5-M	278	GLN
3	5-M	282	GLU
3	5-M	287	ILE
3	5-M	290	GLN

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Mol	Chain	Res	Type
3	5-M	291	ILE
3	5-M	294	ASN
3	5-M	298	GLU
3	5-M	300	ILE
3	5-M	302	MET
3	5-M	303	LEU
3	5-M	305	ILE
3	5-M	315	VAL
3	5-M	325	ILE
3	5-M	331	LEU
3	5-M	332	MET
3	5-M	336	SER
3	5-M	351	ILE
3	5-M	354	LEU
3	5-M	359	MET
3	5-M	364	LEU
3	5-M	365	LYS
3	5-M	372	GLU
3	5-M	376	GLU
3	5-M	381	GLU
3	5-M	389	LEU
3	5-M	392	LEU
3	5-M	394	SER
3	5-M	399	LYS
3	5-M	401	LEU
3	5-M	405	ARG
3	5-M	410	ASN
3	5-M	411	GLU
3	5-M	436	LYS
3	5-M	439	LEU
3	5-M	448	GLN
3	5-M	449	LEU
3	5-M	452	LYS
3	5-M	453	GLN
3	5-M	455	ARG
3	5-M	456	GLN
3	5-M	457	TYR
3	5-M	462	LEU
3	5-M	471	ASP
3	5-M	480	ILE
3	5-M	487	LEU
3	5-M	495	MET

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Mol	Chain	Res	Type
3	5-M	498	LEU
3	5-M	499	GLU
3	5-M	504	LYS
3	5-M	506	GLU
3	5-M	513	ILE
3	5-M	524	GLU
3	5-M	530	MET
3	5-M	532	ILE
3	5-M	534	SER
3	5-M	537	GLU
3	5-M	549	SER
3	5-M	561	LYS
3	5-M	562	SER
3	5-M	580	SER
3	5-M	593	SER
3	5-M	596	LEU
3	5-M	597	GLU
3	5-M	598	LYS
3	5-M	604	ASN
3	5-M	608	ILE
3	5-M	610	LEU
3	5-M	613	LYS
3	5-M	615	SER
3	5-M	621	LEU
3	5-M	625	THR
3	5-M	664	LEU
3	5-M	666	SER
3	5-M	673	ARG
3	5-M	675	ILE
3	5-M	676	ILE
3	5-M	681	LYS
3	5-M	686	MET
3	5-M	689	GLU
3	5-M	690	LEU
3	5-M	693	HIS
3	5-M	698	ASN
3	5-M	700	VAL
3	5-M	701	LEU
3	5-M	702	GLU
3	5-M	704	ILE
3	5-M	705	ARG
3	5-M	707	CYS

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Mol	Chain	Res	Type
3	5-M	708	ARG
3	5-M	713	SER
3	5-M	714	ARG
3	5-M	716	LEU
3	5-M	722	GLN
3	5-M	723	ARG
3	5-M	727	LEU
3	5-M	728	ASN
3	5-M	734	GLU
3	5-M	737	PHE
3	5-M	744	SER
3	5-M	745	GLU
3	5-M	748	LEU
3	5-M	752	ASP
3	5-M	753	VAL
3	5-M	754	ASP
3	5-M	762	HIS
3	5-M	772	LEU
3	5-M	774	LEU
3	5-M	785	GLU
3	5-M	787	ILE
3	5-M	793	ARG
3	5-M	798	LEU
3	5-M	799	MET
3	5-M	802	GLU
3	5-M	810	ARG
3	5-M	816	ILE
3	5-M	819	ASN
3	5-M	822	SER
3	5-M	832	MET
3	5-M	833	LYS
3	5-M	834	LEU
3	5-M	838	ILE
3	5-M	842	LEU
3	5-M	843	LYS
1	6-B	16	PHE
1	6-B	35	ASP
1	6-B	75	ILE
1	6-B	94	GLU
1	6-B	107	ASP
1	6-B	114	LYS
1	6-B	117	LEU

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Mol	Chain	Res	Type
1	6-B	129	THR
1	6-B	141	PRO
1	6-B	144	VAL
1	6-B	147	ASN
1	6-B	162	ASP
2	6-C	5	ASP
2	6-C	6	GLU
2	6-C	7	ILE
2	6-C	28	SER
2	6-C	49	ILE
2	6-C	55	LYS
2	6-C	63	ILE
2	6-C	65	PHE
2	6-C	84	PHE
2	6-C	96	LYS
2	6-C	102	VAL
2	6-C	131	GLU
2	6-C	137	ILE
3	6-M	7	MET
3	6-M	12	GLU
3	6-M	17	LEU
3	6-M	20	SER
3	6-M	22	LYS
3	6-M	23	GLU
3	6-M	25	ILE
3	6-M	30	LYS
3	6-M	35	LYS
3	6-M	36	SER
3	6-M	37	SER
3	6-M	38	VAL
3	6-M	40	VAL
3	6-M	41	VAL
3	6-M	46	SER
3	6-M	49	LYS
3	6-M	52	ILE
3	6-M	55	LYS
3	6-M	61	THR
3	6-M	65	GLU
3	6-M	69	THR
3	6-M	70	LEU
3	6-M	72	VAL
3	6-M	73	LYS

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Mol	Chain	Res	Type
3	6-M	75	ASP
3	6-M	76	GLN
3	6-M	88	ILE
3	6-M	97	LEU
3	6-M	106	LEU
3	6-M	109	ARG
3	6-M	114	MET
3	6-M	117	THR
3	6-M	121	LEU
3	6-M	125	THR
3	6-M	126	VAL
3	6-M	127	ASN
3	6-M	130	LYS
3	6-M	136	ASN
3	6-M	146	LYS
3	6-M	149	GLN
3	6-M	155	ILE
3	6-M	157	SER
3	6-M	158	ILE
3	6-M	159	SER
3	6-M	166	MET
3	6-M	167	LEU
3	6-M	169	ASP
3	6-M	170	ARG
3	6-M	173	GLN
3	6-M	175	ILE
3	6-M	178	THR
3	6-M	180	GLU
3	6-M	185	LYS
3	6-M	186	THR
3	6-M	187	VAL
3	6-M	189	THR
3	6-M	191	ARG
3	6-M	193	ILE
3	6-M	194	GLN
3	6-M	198	THR
3	6-M	199	ILE
3	6-M	202	SER
3	6-M	218	LEU
3	6-M	221	GLN
3	6-M	223	ILE
3	6-M	229	LEU

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Mol	Chain	Res	Type
3	6-M	244	SER
3	6-M	245	ARG
3	6-M	248	LYS
3	6-M	251	ARG
3	6-M	273	SER
3	6-M	274	ARG
3	6-M	278	GLN
3	6-M	282	GLU
3	6-M	287	ILE
3	6-M	290	GLN
3	6-M	291	ILE
3	6-M	294	ASN
3	6-M	298	GLU
3	6-M	300	ILE
3	6-M	302	MET
3	6-M	303	LEU
3	6-M	305	ILE
3	6-M	315	VAL
3	6-M	325	ILE
3	6-M	331	LEU
3	6-M	332	MET
3	6-M	336	SER
3	6-M	351	ILE
3	6-M	354	LEU
3	6-M	359	MET
3	6-M	364	LEU
3	6-M	365	LYS
3	6-M	372	GLU
3	6-M	376	GLU
3	6-M	381	GLU
3	6-M	389	LEU
3	6-M	392	LEU
3	6-M	394	SER
3	6-M	399	LYS
3	6-M	401	LEU
3	6-M	405	ARG
3	6-M	410	ASN
3	6-M	411	GLU
3	6-M	436	LYS
3	6-M	439	LEU
3	6-M	448	GLN
3	6-M	449	LEU

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Mol	Chain	Res	Type
3	6-M	452	LYS
3	6-M	453	GLN
3	6-M	455	ARG
3	6-M	456	GLN
3	6-M	457	TYR
3	6-M	462	LEU
3	6-M	471	ASP
3	6-M	480	ILE
3	6-M	487	LEU
3	6-M	495	MET
3	6-M	498	LEU
3	6-M	499	GLU
3	6-M	504	LYS
3	6-M	506	GLU
3	6-M	513	ILE
3	6-M	524	GLU
3	6-M	530	MET
3	6-M	532	ILE
3	6-M	534	SER
3	6-M	537	GLU
3	6-M	549	SER
3	6-M	561	LYS
3	6-M	562	SER
3	6-M	580	SER
3	6-M	593	SER
3	6-M	596	LEU
3	6-M	597	GLU
3	6-M	598	LYS
3	6-M	604	ASN
3	6-M	608	ILE
3	6-M	610	LEU
3	6-M	613	LYS
3	6-M	615	SER
3	6-M	621	LEU
3	6-M	625	THR
3	6-M	664	LEU
3	6-M	666	SER
3	6-M	673	ARG
3	6-M	675	ILE
3	6-M	676	ILE
3	6-M	681	LYS
3	6-M	686	MET

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Mol	Chain	Res	Type
3	6-M	689	GLU
3	6-M	690	LEU
3	6-M	693	HIS
3	6-M	698	ASN
3	6-M	700	VAL
3	6-M	701	LEU
3	6-M	702	GLU
3	6-M	704	ILE
3	6-M	705	ARG
3	6-M	707	CYS
3	6-M	708	ARG
3	6-M	713	SER
3	6-M	714	ARG
3	6-M	716	LEU
3	6-M	722	GLN
3	6-M	723	ARG
3	6-M	727	LEU
3	6-M	728	ASN
3	6-M	734	GLU
3	6-M	737	PHE
3	6-M	744	SER
3	6-M	745	GLU
3	6-M	748	LEU
3	6-M	752	ASP
3	6-M	753	VAL
3	6-M	754	ASP
3	6-M	762	HIS
3	6-M	772	LEU
3	6-M	774	LEU
3	6-M	785	GLU
3	6-M	787	ILE
3	6-M	793	ARG
3	6-M	798	LEU
3	6-M	799	MET
3	6-M	802	GLU
3	6-M	810	ARG
3	6-M	816	ILE
3	6-M	819	ASN
3	6-M	822	SER
3	6-M	832	MET
3	6-M	833	LYS
3	6-M	834	LEU

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Mol	Chain	Res	Type
3	6-M	838	ILE
3	6-M	842	LEU
3	6-M	843	LYS
1	7-B	16	PHE
1	7-B	35	ASP
1	7-B	75	ILE
1	7-B	94	GLU
1	7-B	107	ASP
1	7-B	114	LYS
1	7-B	117	LEU
1	7-B	129	THR
1	7-B	141	PRO
1	7-B	144	VAL
1	7-B	147	ASN
1	7-B	162	ASP
2	7-C	5	ASP
2	7-C	6	GLU
2	7-C	7	ILE
2	7-C	28	SER
2	7-C	49	ILE
2	7-C	55	LYS
2	7-C	63	ILE
2	7-C	65	PHE
2	7-C	84	PHE
2	7-C	96	LYS
2	7-C	102	VAL
2	7-C	131	GLU
2	7-C	137	ILE
3	7-M	7	MET
3	7-M	12	GLU
3	7-M	17	LEU
3	7-M	20	SER
3	7-M	22	LYS
3	7-M	23	GLU
3	7-M	25	ILE
3	7-M	30	LYS
3	7-M	35	LYS
3	7-M	36	SER
3	7-M	37	SER
3	7-M	38	VAL
3	7-M	40	VAL
3	7-M	41	VAL

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Mol	Chain	Res	Type
3	7-M	46	SER
3	7-M	49	LYS
3	7-M	52	ILE
3	7-M	55	LYS
3	7-M	61	THR
3	7-M	65	GLU
3	7-M	69	THR
3	7-M	70	LEU
3	7-M	72	VAL
3	7-M	73	LYS
3	7-M	75	ASP
3	7-M	76	GLN
3	7-M	88	ILE
3	7-M	97	LEU
3	7-M	106	LEU
3	7-M	109	ARG
3	7-M	114	MET
3	7-M	117	THR
3	7-M	121	LEU
3	7-M	125	THR
3	7-M	126	VAL
3	7-M	127	ASN
3	7-M	130	LYS
3	7-M	136	ASN
3	7-M	146	LYS
3	7-M	149	GLN
3	7-M	155	ILE
3	7-M	157	SER
3	7-M	158	ILE
3	7-M	159	SER
3	7-M	166	MET
3	7-M	167	LEU
3	7-M	169	ASP
3	7-M	170	ARG
3	7-M	173	GLN
3	7-M	175	ILE
3	7-M	178	THR
3	7-M	180	GLU
3	7-M	185	LYS
3	7-M	186	THR
3	7-M	187	VAL
3	7-M	189	THR

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Mol	Chain	Res	Type
3	7-M	191	ARG
3	7-M	193	ILE
3	7-M	194	GLN
3	7-M	198	THR
3	7-M	199	ILE
3	7-M	202	SER
3	7-M	218	LEU
3	7-M	221	GLN
3	7-M	223	ILE
3	7-M	229	LEU
3	7-M	244	SER
3	7-M	245	ARG
3	7-M	248	LYS
3	7-M	251	ARG
3	7-M	273	SER
3	7-M	274	ARG
3	7-M	278	GLN
3	7-M	282	GLU
3	7-M	287	ILE
3	7-M	290	GLN
3	7-M	291	ILE
3	7-M	294	ASN
3	7-M	298	GLU
3	7-M	300	ILE
3	7-M	302	MET
3	7-M	303	LEU
3	7-M	305	ILE
3	7-M	315	VAL
3	7-M	325	ILE
3	7-M	331	LEU
3	7-M	332	MET
3	7-M	336	SER
3	7-M	351	ILE
3	7-M	354	LEU
3	7-M	359	MET
3	7-M	364	LEU
3	7-M	365	LYS
3	7-M	372	GLU
3	7-M	376	GLU
3	7-M	381	GLU
3	7-M	389	LEU
3	7-M	392	LEU

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Mol	Chain	Res	Type
3	7-M	394	SER
3	7-M	399	LYS
3	7-M	401	LEU
3	7-M	405	ARG
3	7-M	410	ASN
3	7-M	411	GLU
3	7-M	436	LYS
3	7-M	439	LEU
3	7-M	448	GLN
3	7-M	449	LEU
3	7-M	452	LYS
3	7-M	453	GLN
3	7-M	455	ARG
3	7-M	456	GLN
3	7-M	457	TYR
3	7-M	462	LEU
3	7-M	471	ASP
3	7-M	480	ILE
3	7-M	487	LEU
3	7-M	495	MET
3	7-M	498	LEU
3	7-M	499	GLU
3	7-M	504	LYS
3	7-M	506	GLU
3	7-M	513	ILE
3	7-M	524	GLU
3	7-M	530	MET
3	7-M	532	ILE
3	7-M	534	SER
3	7-M	537	GLU
3	7-M	549	SER
3	7-M	561	LYS
3	7-M	562	SER
3	7-M	580	SER
3	7-M	593	SER
3	7-M	596	LEU
3	7-M	597	GLU
3	7-M	598	LYS
3	7-M	604	ASN
3	7-M	608	ILE
3	7-M	610	LEU
3	7-M	613	LYS

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Mol	Chain	Res	Type
3	7-M	615	SER
3	7-M	621	LEU
3	7-M	625	THR
3	7-M	664	LEU
3	7-M	666	SER
3	7-M	673	ARG
3	7-M	675	ILE
3	7-M	676	ILE
3	7-M	681	LYS
3	7-M	686	MET
3	7-M	689	GLU
3	7-M	690	LEU
3	7-M	693	HIS
3	7-M	698	ASN
3	7-M	700	VAL
3	7-M	701	LEU
3	7-M	702	GLU
3	7-M	704	ILE
3	7-M	705	ARG
3	7-M	707	CYS
3	7-M	708	ARG
3	7-M	713	SER
3	7-M	714	ARG
3	7-M	716	LEU
3	7-M	722	GLN
3	7-M	723	ARG
3	7-M	727	LEU
3	7-M	728	ASN
3	7-M	734	GLU
3	7-M	737	PHE
3	7-M	744	SER
3	7-M	745	GLU
3	7-M	748	LEU
3	7-M	752	ASP
3	7-M	753	VAL
3	7-M	754	ASP
3	7-M	762	HIS
3	7-M	772	LEU
3	7-M	774	LEU
3	7-M	785	GLU
3	7-M	787	ILE
3	7-M	793	ARG

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Mol	Chain	Res	Type
3	7-M	798	LEU
3	7-M	799	MET
3	7-M	802	GLU
3	7-M	810	ARG
3	7-M	816	ILE
3	7-M	819	ASN
3	7-M	822	SER
3	7-M	832	MET
3	7-M	833	LYS
3	7-M	834	LEU
3	7-M	838	ILE
3	7-M	842	LEU
3	7-M	843	LYS
1	8-B	16	PHE
1	8-B	35	ASP
1	8-B	75	ILE
1	8-B	94	GLU
1	8-B	107	ASP
1	8-B	114	LYS
1	8-B	117	LEU
1	8-B	129	THR
1	8-B	141	PRO
1	8-B	144	VAL
1	8-B	147	ASN
1	8-B	162	ASP
2	8-C	5	ASP
2	8-C	6	GLU
2	8-C	7	ILE
2	8-C	28	SER
2	8-C	49	ILE
2	8-C	55	LYS
2	8-C	63	ILE
2	8-C	65	PHE
2	8-C	84	PHE
2	8-C	96	LYS
2	8-C	102	VAL
2	8-C	131	GLU
2	8-C	137	ILE
3	8-M	7	MET
3	8-M	12	GLU
3	8-M	17	LEU
3	8-M	20	SER

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Mol	Chain	Res	Type
3	8-M	22	LYS
3	8-M	23	GLU
3	8-M	25	ILE
3	8-M	30	LYS
3	8-M	35	LYS
3	8-M	36	SER
3	8-M	37	SER
3	8-M	38	VAL
3	8-M	40	VAL
3	8-M	41	VAL
3	8-M	46	SER
3	8-M	49	LYS
3	8-M	52	ILE
3	8-M	55	LYS
3	8-M	61	THR
3	8-M	65	GLU
3	8-M	69	THR
3	8-M	70	LEU
3	8-M	72	VAL
3	8-M	73	LYS
3	8-M	75	ASP
3	8-M	76	GLN
3	8-M	88	ILE
3	8-M	97	LEU
3	8-M	106	LEU
3	8-M	109	ARG
3	8-M	114	MET
3	8-M	117	THR
3	8-M	121	LEU
3	8-M	125	THR
3	8-M	126	VAL
3	8-M	127	ASN
3	8-M	130	LYS
3	8-M	136	ASN
3	8-M	146	LYS
3	8-M	149	GLN
3	8-M	155	ILE
3	8-M	157	SER
3	8-M	158	ILE
3	8-M	159	SER
3	8-M	166	MET
3	8-M	167	LEU

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Mol	Chain	Res	Type
3	8-M	169	ASP
3	8-M	170	ARG
3	8-M	173	GLN
3	8-M	175	ILE
3	8-M	178	THR
3	8-M	180	GLU
3	8-M	185	LYS
3	8-M	186	THR
3	8-M	187	VAL
3	8-M	189	THR
3	8-M	191	ARG
3	8-M	193	ILE
3	8-M	194	GLN
3	8-M	198	THR
3	8-M	199	ILE
3	8-M	202	SER
3	8-M	218	LEU
3	8-M	221	GLN
3	8-M	223	ILE
3	8-M	229	LEU
3	8-M	244	SER
3	8-M	245	ARG
3	8-M	248	LYS
3	8-M	251	ARG
3	8-M	273	SER
3	8-M	274	ARG
3	8-M	278	GLN
3	8-M	282	GLU
3	8-M	287	ILE
3	8-M	290	GLN
3	8-M	291	ILE
3	8-M	294	ASN
3	8-M	298	GLU
3	8-M	300	ILE
3	8-M	302	MET
3	8-M	303	LEU
3	8-M	305	ILE
3	8-M	315	VAL
3	8-M	325	ILE
3	8-M	331	LEU
3	8-M	332	MET
3	8-M	336	SER

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Mol	Chain	Res	Type
3	8-M	351	ILE
3	8-M	354	LEU
3	8-M	359	MET
3	8-M	364	LEU
3	8-M	365	LYS
3	8-M	372	GLU
3	8-M	376	GLU
3	8-M	381	GLU
3	8-M	389	LEU
3	8-M	392	LEU
3	8-M	394	SER
3	8-M	399	LYS
3	8-M	401	LEU
3	8-M	405	ARG
3	8-M	410	ASN
3	8-M	411	GLU
3	8-M	436	LYS
3	8-M	439	LEU
3	8-M	448	GLN
3	8-M	449	LEU
3	8-M	452	LYS
3	8-M	453	GLN
3	8-M	455	ARG
3	8-M	456	GLN
3	8-M	457	TYR
3	8-M	462	LEU
3	8-M	471	ASP
3	8-M	480	ILE
3	8-M	487	LEU
3	8-M	495	MET
3	8-M	498	LEU
3	8-M	499	GLU
3	8-M	504	LYS
3	8-M	506	GLU
3	8-M	513	ILE
3	8-M	524	GLU
3	8-M	530	MET
3	8-M	532	ILE
3	8-M	534	SER
3	8-M	537	GLU
3	8-M	549	SER
3	8-M	561	LYS

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Mol	Chain	Res	Type
3	8-M	562	SER
3	8-M	580	SER
3	8-M	593	SER
3	8-M	596	LEU
3	8-M	597	GLU
3	8-M	598	LYS
3	8-M	604	ASN
3	8-M	608	ILE
3	8-M	610	LEU
3	8-M	613	LYS
3	8-M	615	SER
3	8-M	621	LEU
3	8-M	625	THR
3	8-M	664	LEU
3	8-M	666	SER
3	8-M	673	ARG
3	8-M	675	ILE
3	8-M	676	ILE
3	8-M	681	LYS
3	8-M	686	MET
3	8-M	689	GLU
3	8-M	690	LEU
3	8-M	693	HIS
3	8-M	698	ASN
3	8-M	700	VAL
3	8-M	701	LEU
3	8-M	702	GLU
3	8-M	704	ILE
3	8-M	705	ARG
3	8-M	707	CYS
3	8-M	708	ARG
3	8-M	713	SER
3	8-M	714	ARG
3	8-M	716	LEU
3	8-M	722	GLN
3	8-M	723	ARG
3	8-M	727	LEU
3	8-M	728	ASN
3	8-M	734	GLU
3	8-M	737	PHE
3	8-M	744	SER
3	8-M	745	GLU

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Mol	Chain	Res	Type
3	8-M	748	LEU
3	8-M	752	ASP
3	8-M	753	VAL
3	8-M	754	ASP
3	8-M	762	HIS
3	8-M	772	LEU
3	8-M	774	LEU
3	8-M	785	GLU
3	8-M	787	ILE
3	8-M	793	ARG
3	8-M	798	LEU
3	8-M	799	MET
3	8-M	802	GLU
3	8-M	810	ARG
3	8-M	816	ILE
3	8-M	819	ASN
3	8-M	822	SER
3	8-M	832	MET
3	8-M	833	LYS
3	8-M	834	LEU
3	8-M	838	ILE
3	8-M	842	LEU
3	8-M	843	LYS
1	9-B	16	PHE
1	9-B	35	ASP
1	9-B	75	ILE
1	9-B	94	GLU
1	9-B	107	ASP
1	9-B	114	LYS
1	9-B	117	LEU
1	9-B	129	THR
1	9-B	141	PRO
1	9-B	144	VAL
1	9-B	147	ASN
1	9-B	162	ASP
2	9-C	5	ASP
2	9-C	6	GLU
2	9-C	7	ILE
2	9-C	28	SER
2	9-C	49	ILE
2	9-C	55	LYS
2	9-C	63	ILE

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Mol	Chain	Res	Type
2	9-C	65	PHE
2	9-C	84	PHE
2	9-C	96	LYS
2	9-C	102	VAL
2	9-C	131	GLU
2	9-C	137	ILE
3	9-M	7	MET
3	9-M	12	GLU
3	9-M	17	LEU
3	9-M	20	SER
3	9-M	22	LYS
3	9-M	23	GLU
3	9-M	25	ILE
3	9-M	30	LYS
3	9-M	35	LYS
3	9-M	36	SER
3	9-M	37	SER
3	9-M	38	VAL
3	9-M	40	VAL
3	9-M	41	VAL
3	9-M	46	SER
3	9-M	49	LYS
3	9-M	52	ILE
3	9-M	55	LYS
3	9-M	61	THR
3	9-M	65	GLU
3	9-M	69	THR
3	9-M	70	LEU
3	9-M	72	VAL
3	9-M	73	LYS
3	9-M	75	ASP
3	9-M	76	GLN
3	9-M	88	ILE
3	9-M	97	LEU
3	9-M	106	LEU
3	9-M	109	ARG
3	9-M	114	MET
3	9-M	117	THR
3	9-M	121	LEU
3	9-M	125	THR
3	9-M	126	VAL
3	9-M	127	ASN

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Mol	Chain	Res	Type
3	9-M	130	LYS
3	9-M	136	ASN
3	9-M	146	LYS
3	9-M	149	GLN
3	9-M	155	ILE
3	9-M	157	SER
3	9-M	158	ILE
3	9-M	159	SER
3	9-M	166	MET
3	9-M	167	LEU
3	9-M	169	ASP
3	9-M	170	ARG
3	9-M	173	GLN
3	9-M	175	ILE
3	9-M	178	THR
3	9-M	180	GLU
3	9-M	185	LYS
3	9-M	186	THR
3	9-M	187	VAL
3	9-M	189	THR
3	9-M	191	ARG
3	9-M	193	ILE
3	9-M	194	GLN
3	9-M	198	THR
3	9-M	199	ILE
3	9-M	202	SER
3	9-M	218	LEU
3	9-M	221	GLN
3	9-M	223	ILE
3	9-M	229	LEU
3	9-M	244	SER
3	9-M	245	ARG
3	9-M	248	LYS
3	9-M	251	ARG
3	9-M	273	SER
3	9-M	274	ARG
3	9-M	278	GLN
3	9-M	282	GLU
3	9-M	287	ILE
3	9-M	290	GLN
3	9-M	291	ILE
3	9-M	294	ASN

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Mol	Chain	Res	Type
3	9-M	298	GLU
3	9-M	300	ILE
3	9-M	302	MET
3	9-M	303	LEU
3	9-M	305	ILE
3	9-M	315	VAL
3	9-M	325	ILE
3	9-M	331	LEU
3	9-M	332	MET
3	9-M	336	SER
3	9-M	351	ILE
3	9-M	354	LEU
3	9-M	359	MET
3	9-M	364	LEU
3	9-M	365	LYS
3	9-M	372	GLU
3	9-M	376	GLU
3	9-M	381	GLU
3	9-M	389	LEU
3	9-M	392	LEU
3	9-M	394	SER
3	9-M	399	LYS
3	9-M	401	LEU
3	9-M	405	ARG
3	9-M	410	ASN
3	9-M	411	GLU
3	9-M	436	LYS
3	9-M	439	LEU
3	9-M	448	GLN
3	9-M	449	LEU
3	9-M	452	LYS
3	9-M	453	GLN
3	9-M	455	ARG
3	9-M	456	GLN
3	9-M	457	TYR
3	9-M	462	LEU
3	9-M	471	ASP
3	9-M	480	ILE
3	9-M	487	LEU
3	9-M	495	MET
3	9-M	498	LEU
3	9-M	499	GLU

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Mol	Chain	Res	Type
3	9-M	504	LYS
3	9-M	506	GLU
3	9-M	513	ILE
3	9-M	524	GLU
3	9-M	530	MET
3	9-M	532	ILE
3	9-M	534	SER
3	9-M	537	GLU
3	9-M	549	SER
3	9-M	561	LYS
3	9-M	562	SER
3	9-M	580	SER
3	9-M	593	SER
3	9-M	596	LEU
3	9-M	597	GLU
3	9-M	598	LYS
3	9-M	604	ASN
3	9-M	608	ILE
3	9-M	610	LEU
3	9-M	613	LYS
3	9-M	615	SER
3	9-M	621	LEU
3	9-M	625	THR
3	9-M	664	LEU
3	9-M	666	SER
3	9-M	673	ARG
3	9-M	675	ILE
3	9-M	676	ILE
3	9-M	681	LYS
3	9-M	686	MET
3	9-M	689	GLU
3	9-M	690	LEU
3	9-M	693	HIS
3	9-M	698	ASN
3	9-M	700	VAL
3	9-M	701	LEU
3	9-M	702	GLU
3	9-M	704	ILE
3	9-M	705	ARG
3	9-M	707	CYS
3	9-M	708	ARG
3	9-M	713	SER

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Mol	Chain	Res	Type
3	9-M	714	ARG
3	9-M	716	LEU
3	9-M	722	GLN
3	9-M	723	ARG
3	9-M	727	LEU
3	9-M	728	ASN
3	9-M	734	GLU
3	9-M	737	PHE
3	9-M	744	SER
3	9-M	745	GLU
3	9-M	748	LEU
3	9-M	752	ASP
3	9-M	753	VAL
3	9-M	754	ASP
3	9-M	762	HIS
3	9-M	772	LEU
3	9-M	774	LEU
3	9-M	785	GLU
3	9-M	787	ILE
3	9-M	793	ARG
3	9-M	798	LEU
3	9-M	799	MET
3	9-M	802	GLU
3	9-M	810	ARG
3	9-M	816	ILE
3	9-M	819	ASN
3	9-M	822	SER
3	9-M	832	MET
3	9-M	833	LYS
3	9-M	834	LEU
3	9-M	838	ILE
3	9-M	842	LEU
3	9-M	843	LYS
1	10-B	16	PHE
1	10-B	35	ASP
1	10-B	75	ILE
1	10-B	94	GLU
1	10-B	107	ASP
1	10-B	114	LYS
1	10-B	117	LEU
1	10-B	129	THR
1	10-B	141	PRO

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Mol	Chain	Res	Type
1	10-B	144	VAL
1	10-B	147	ASN
1	10-B	162	ASP
2	10-C	5	ASP
2	10-C	6	GLU
2	10-C	7	ILE
2	10-C	28	SER
2	10-C	49	ILE
2	10-C	55	LYS
2	10-C	63	ILE
2	10-C	65	PHE
2	10-C	84	PHE
2	10-C	96	LYS
2	10-C	102	VAL
2	10-C	131	GLU
2	10-C	137	ILE
3	10-M	7	MET
3	10-M	12	GLU
3	10-M	17	LEU
3	10-M	20	SER
3	10-M	22	LYS
3	10-M	23	GLU
3	10-M	25	ILE
3	10-M	30	LYS
3	10-M	35	LYS
3	10-M	36	SER
3	10-M	37	SER
3	10-M	38	VAL
3	10-M	40	VAL
3	10-M	41	VAL
3	10-M	46	SER
3	10-M	49	LYS
3	10-M	52	ILE
3	10-M	55	LYS
3	10-M	61	THR
3	10-M	65	GLU
3	10-M	69	THR
3	10-M	70	LEU
3	10-M	72	VAL
3	10-M	73	LYS
3	10-M	75	ASP
3	10-M	76	GLN

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Mol	Chain	Res	Type
3	10-M	88	ILE
3	10-M	97	LEU
3	10-M	106	LEU
3	10-M	109	ARG
3	10-M	114	MET
3	10-M	117	THR
3	10-M	121	LEU
3	10-M	125	THR
3	10-M	126	VAL
3	10-M	127	ASN
3	10-M	130	LYS
3	10-M	136	ASN
3	10-M	146	LYS
3	10-M	149	GLN
3	10-M	155	ILE
3	10-M	157	SER
3	10-M	158	ILE
3	10-M	159	SER
3	10-M	166	MET
3	10-M	167	LEU
3	10-M	169	ASP
3	10-M	170	ARG
3	10-M	173	GLN
3	10-M	175	ILE
3	10-M	178	THR
3	10-M	180	GLU
3	10-M	185	LYS
3	10-M	186	THR
3	10-M	187	VAL
3	10-M	189	THR
3	10-M	191	ARG
3	10-M	193	ILE
3	10-M	194	GLN
3	10-M	198	THR
3	10-M	199	ILE
3	10-M	202	SER
3	10-M	218	LEU
3	10-M	221	GLN
3	10-M	223	ILE
3	10-M	229	LEU
3	10-M	244	SER
3	10-M	245	ARG

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Mol	Chain	Res	Type
3	10-M	248	LYS
3	10-M	251	ARG
3	10-M	273	SER
3	10-M	274	ARG
3	10-M	278	GLN
3	10-M	282	GLU
3	10-M	287	ILE
3	10-M	290	GLN
3	10-M	291	ILE
3	10-M	294	ASN
3	10-M	298	GLU
3	10-M	300	ILE
3	10-M	302	MET
3	10-M	303	LEU
3	10-M	305	ILE
3	10-M	315	VAL
3	10-M	325	ILE
3	10-M	331	LEU
3	10-M	332	MET
3	10-M	336	SER
3	10-M	351	ILE
3	10-M	354	LEU
3	10-M	359	MET
3	10-M	364	LEU
3	10-M	365	LYS
3	10-M	372	GLU
3	10-M	376	GLU
3	10-M	381	GLU
3	10-M	389	LEU
3	10-M	392	LEU
3	10-M	394	SER
3	10-M	399	LYS
3	10-M	401	LEU
3	10-M	405	ARG
3	10-M	410	ASN
3	10-M	411	GLU
3	10-M	436	LYS
3	10-M	439	LEU
3	10-M	448	GLN
3	10-M	449	LEU
3	10-M	452	LYS
3	10-M	453	GLN

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Mol	Chain	Res	Type
3	10-M	455	ARG
3	10-M	456	GLN
3	10-M	457	TYR
3	10-M	462	LEU
3	10-M	471	ASP
3	10-M	480	ILE
3	10-M	487	LEU
3	10-M	495	MET
3	10-M	498	LEU
3	10-M	499	GLU
3	10-M	504	LYS
3	10-M	506	GLU
3	10-M	513	ILE
3	10-M	524	GLU
3	10-M	530	MET
3	10-M	532	ILE
3	10-M	534	SER
3	10-M	537	GLU
3	10-M	549	SER
3	10-M	561	LYS
3	10-M	562	SER
3	10-M	580	SER
3	10-M	593	SER
3	10-M	596	LEU
3	10-M	597	GLU
3	10-M	598	LYS
3	10-M	604	ASN
3	10-M	608	ILE
3	10-M	610	LEU
3	10-M	613	LYS
3	10-M	615	SER
3	10-M	621	LEU
3	10-M	625	THR
3	10-M	664	LEU
3	10-M	666	SER
3	10-M	673	ARG
3	10-M	675	ILE
3	10-M	676	ILE
3	10-M	681	LYS
3	10-M	686	MET
3	10-M	689	GLU
3	10-M	690	LEU

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Mol	Chain	Res	Type
3	10-M	693	HIS
3	10-M	698	ASN
3	10-M	700	VAL
3	10-M	701	LEU
3	10-M	702	GLU
3	10-M	704	ILE
3	10-M	705	ARG
3	10-M	707	CYS
3	10-M	708	ARG
3	10-M	713	SER
3	10-M	714	ARG
3	10-M	716	LEU
3	10-M	722	GLN
3	10-M	723	ARG
3	10-M	727	LEU
3	10-M	728	ASN
3	10-M	734	GLU
3	10-M	737	PHE
3	10-M	744	SER
3	10-M	745	GLU
3	10-M	748	LEU
3	10-M	752	ASP
3	10-M	753	VAL
3	10-M	754	ASP
3	10-M	762	HIS
3	10-M	772	LEU
3	10-M	774	LEU
3	10-M	785	GLU
3	10-M	787	ILE
3	10-M	793	ARG
3	10-M	798	LEU
3	10-M	799	MET
3	10-M	802	GLU
3	10-M	810	ARG
3	10-M	816	ILE
3	10-M	819	ASN
3	10-M	822	SER
3	10-M	832	MET
3	10-M	833	LYS
3	10-M	834	LEU
3	10-M	838	ILE
3	10-M	842	LEU

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Mol	Chain	Res	Type
3	10-M	843	LYS
1	11-B	16	PHE
1	11-B	35	ASP
1	11-B	75	ILE
1	11-B	94	GLU
1	11-B	107	ASP
1	11-B	114	LYS
1	11-B	117	LEU
1	11-B	129	THR
1	11-B	141	PRO
1	11-B	144	VAL
1	11-B	147	ASN
1	11-B	162	ASP
2	11-C	5	ASP
2	11-C	6	GLU
2	11-C	7	ILE
2	11-C	28	SER
2	11-C	49	ILE
2	11-C	55	LYS
2	11-C	63	ILE
2	11-C	65	PHE
2	11-C	84	PHE
2	11-C	96	LYS
2	11-C	102	VAL
2	11-C	131	GLU
2	11-C	137	ILE
3	11-M	7	MET
3	11-M	12	GLU
3	11-M	17	LEU
3	11-M	20	SER
3	11-M	22	LYS
3	11-M	23	GLU
3	11-M	25	ILE
3	11-M	30	LYS
3	11-M	35	LYS
3	11-M	36	SER
3	11-M	37	SER
3	11-M	38	VAL
3	11-M	40	VAL
3	11-M	41	VAL
3	11-M	46	SER
3	11-M	49	LYS

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Mol	Chain	Res	Type
3	11-M	52	ILE
3	11-M	55	LYS
3	11-M	61	THR
3	11-M	65	GLU
3	11-M	69	THR
3	11-M	70	LEU
3	11-M	72	VAL
3	11-M	73	LYS
3	11-M	75	ASP
3	11-M	76	GLN
3	11-M	88	ILE
3	11-M	97	LEU
3	11-M	106	LEU
3	11-M	109	ARG
3	11-M	114	MET
3	11-M	117	THR
3	11-M	121	LEU
3	11-M	125	THR
3	11-M	126	VAL
3	11-M	127	ASN
3	11-M	130	LYS
3	11-M	136	ASN
3	11-M	146	LYS
3	11-M	149	GLN
3	11-M	155	ILE
3	11-M	157	SER
3	11-M	158	ILE
3	11-M	159	SER
3	11-M	166	MET
3	11-M	167	LEU
3	11-M	169	ASP
3	11-M	170	ARG
3	11-M	173	GLN
3	11-M	175	ILE
3	11-M	178	THR
3	11-M	180	GLU
3	11-M	185	LYS
3	11-M	186	THR
3	11-M	187	VAL
3	11-M	189	THR
3	11-M	191	ARG
3	11-M	193	ILE

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Mol	Chain	Res	Type
3	11-M	194	GLN
3	11-M	198	THR
3	11-M	199	ILE
3	11-M	202	SER
3	11-M	218	LEU
3	11-M	221	GLN
3	11-M	223	ILE
3	11-M	229	LEU
3	11-M	244	SER
3	11-M	245	ARG
3	11-M	248	LYS
3	11-M	251	ARG
3	11-M	273	SER
3	11-M	274	ARG
3	11-M	278	GLN
3	11-M	282	GLU
3	11-M	287	ILE
3	11-M	290	GLN
3	11-M	291	ILE
3	11-M	294	ASN
3	11-M	298	GLU
3	11-M	300	ILE
3	11-M	302	MET
3	11-M	303	LEU
3	11-M	305	ILE
3	11-M	315	VAL
3	11-M	325	ILE
3	11-M	331	LEU
3	11-M	332	MET
3	11-M	336	SER
3	11-M	351	ILE
3	11-M	354	LEU
3	11-M	359	MET
3	11-M	364	LEU
3	11-M	365	LYS
3	11-M	372	GLU
3	11-M	376	GLU
3	11-M	381	GLU
3	11-M	389	LEU
3	11-M	392	LEU
3	11-M	394	SER
3	11-M	399	LYS

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Mol	Chain	Res	Type
3	11-M	401	LEU
3	11-M	405	ARG
3	11-M	410	ASN
3	11-M	411	GLU
3	11-M	436	LYS
3	11-M	439	LEU
3	11-M	448	GLN
3	11-M	449	LEU
3	11-M	452	LYS
3	11-M	453	GLN
3	11-M	455	ARG
3	11-M	456	GLN
3	11-M	457	TYR
3	11-M	462	LEU
3	11-M	471	ASP
3	11-M	480	ILE
3	11-M	487	LEU
3	11-M	495	MET
3	11-M	498	LEU
3	11-M	499	GLU
3	11-M	504	LYS
3	11-M	506	GLU
3	11-M	513	ILE
3	11-M	524	GLU
3	11-M	530	MET
3	11-M	532	ILE
3	11-M	534	SER
3	11-M	537	GLU
3	11-M	549	SER
3	11-M	561	LYS
3	11-M	562	SER
3	11-M	580	SER
3	11-M	593	SER
3	11-M	596	LEU
3	11-M	597	GLU
3	11-M	598	LYS
3	11-M	604	ASN
3	11-M	608	ILE
3	11-M	610	LEU
3	11-M	613	LYS
3	11-M	615	SER
3	11-M	621	LEU

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Mol	Chain	Res	Type
3	11-M	625	THR
3	11-M	664	LEU
3	11-M	666	SER
3	11-M	673	ARG
3	11-M	675	ILE
3	11-M	676	ILE
3	11-M	681	LYS
3	11-M	686	MET
3	11-M	689	GLU
3	11-M	690	LEU
3	11-M	693	HIS
3	11-M	698	ASN
3	11-M	700	VAL
3	11-M	701	LEU
3	11-M	702	GLU
3	11-M	704	ILE
3	11-M	705	ARG
3	11-M	707	CYS
3	11-M	708	ARG
3	11-M	713	SER
3	11-M	714	ARG
3	11-M	716	LEU
3	11-M	722	GLN
3	11-M	723	ARG
3	11-M	727	LEU
3	11-M	728	ASN
3	11-M	734	GLU
3	11-M	737	PHE
3	11-M	744	SER
3	11-M	745	GLU
3	11-M	748	LEU
3	11-M	752	ASP
3	11-M	753	VAL
3	11-M	754	ASP
3	11-M	762	HIS
3	11-M	772	LEU
3	11-M	774	LEU
3	11-M	785	GLU
3	11-M	787	ILE
3	11-M	793	ARG
3	11-M	798	LEU
3	11-M	799	MET

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Mol	Chain	Res	Type
3	11-M	802	GLU
3	11-M	810	ARG
3	11-M	816	ILE
3	11-M	819	ASN
3	11-M	822	SER
3	11-M	832	MET
3	11-M	833	LYS
3	11-M	834	LEU
3	11-M	838	ILE
3	11-M	842	LEU
3	11-M	843	LYS
1	12-B	16	PHE
1	12-B	35	ASP
1	12-B	75	ILE
1	12-B	94	GLU
1	12-B	107	ASP
1	12-B	114	LYS
1	12-B	117	LEU
1	12-B	129	THR
1	12-B	141	PRO
1	12-B	144	VAL
1	12-B	147	ASN
1	12-B	162	ASP
2	12-C	5	ASP
2	12-C	6	GLU
2	12-C	7	ILE
2	12-C	28	SER
2	12-C	49	ILE
2	12-C	55	LYS
2	12-C	63	ILE
2	12-C	65	PHE
2	12-C	84	PHE
2	12-C	96	LYS
2	12-C	102	VAL
2	12-C	131	GLU
2	12-C	137	ILE
3	12-M	7	MET
3	12-M	12	GLU
3	12-M	17	LEU
3	12-M	20	SER
3	12-M	22	LYS
3	12-M	23	GLU

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Mol	Chain	Res	Type
3	12-M	25	ILE
3	12-M	30	LYS
3	12-M	35	LYS
3	12-M	36	SER
3	12-M	37	SER
3	12-M	38	VAL
3	12-M	40	VAL
3	12-M	41	VAL
3	12-M	46	SER
3	12-M	49	LYS
3	12-M	52	ILE
3	12-M	55	LYS
3	12-M	61	THR
3	12-M	65	GLU
3	12-M	69	THR
3	12-M	70	LEU
3	12-M	72	VAL
3	12-M	73	LYS
3	12-M	75	ASP
3	12-M	76	GLN
3	12-M	88	ILE
3	12-M	97	LEU
3	12-M	106	LEU
3	12-M	109	ARG
3	12-M	114	MET
3	12-M	117	THR
3	12-M	121	LEU
3	12-M	125	THR
3	12-M	126	VAL
3	12-M	127	ASN
3	12-M	130	LYS
3	12-M	136	ASN
3	12-M	146	LYS
3	12-M	149	GLN
3	12-M	155	ILE
3	12-M	157	SER
3	12-M	158	ILE
3	12-M	159	SER
3	12-M	166	MET
3	12-M	167	LEU
3	12-M	169	ASP
3	12-M	170	ARG

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Mol	Chain	Res	Type
3	12-M	173	GLN
3	12-M	175	ILE
3	12-M	178	THR
3	12-M	180	GLU
3	12-M	185	LYS
3	12-M	186	THR
3	12-M	187	VAL
3	12-M	189	THR
3	12-M	191	ARG
3	12-M	193	ILE
3	12-M	194	GLN
3	12-M	198	THR
3	12-M	199	ILE
3	12-M	202	SER
3	12-M	218	LEU
3	12-M	221	GLN
3	12-M	223	ILE
3	12-M	229	LEU
3	12-M	244	SER
3	12-M	245	ARG
3	12-M	248	LYS
3	12-M	251	ARG
3	12-M	273	SER
3	12-M	274	ARG
3	12-M	278	GLN
3	12-M	282	GLU
3	12-M	287	ILE
3	12-M	290	GLN
3	12-M	291	ILE
3	12-M	294	ASN
3	12-M	298	GLU
3	12-M	300	ILE
3	12-M	302	MET
3	12-M	303	LEU
3	12-M	305	ILE
3	12-M	315	VAL
3	12-M	325	ILE
3	12-M	331	LEU
3	12-M	332	MET
3	12-M	336	SER
3	12-M	351	ILE
3	12-M	354	LEU

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Mol	Chain	Res	Type
3	12-M	359	MET
3	12-M	364	LEU
3	12-M	365	LYS
3	12-M	372	GLU
3	12-M	376	GLU
3	12-M	381	GLU
3	12-M	389	LEU
3	12-M	392	LEU
3	12-M	394	SER
3	12-M	399	LYS
3	12-M	401	LEU
3	12-M	405	ARG
3	12-M	410	ASN
3	12-M	411	GLU
3	12-M	436	LYS
3	12-M	439	LEU
3	12-M	448	GLN
3	12-M	449	LEU
3	12-M	452	LYS
3	12-M	453	GLN
3	12-M	455	ARG
3	12-M	456	GLN
3	12-M	457	TYR
3	12-M	462	LEU
3	12-M	471	ASP
3	12-M	480	ILE
3	12-M	487	LEU
3	12-M	495	MET
3	12-M	498	LEU
3	12-M	499	GLU
3	12-M	504	LYS
3	12-M	506	GLU
3	12-M	513	ILE
3	12-M	524	GLU
3	12-M	530	MET
3	12-M	532	ILE
3	12-M	534	SER
3	12-M	537	GLU
3	12-M	549	SER
3	12-M	561	LYS
3	12-M	562	SER
3	12-M	580	SER

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Mol	Chain	Res	Type
3	12-M	593	SER
3	12-M	596	LEU
3	12-M	597	GLU
3	12-M	598	LYS
3	12-M	604	ASN
3	12-M	608	ILE
3	12-M	610	LEU
3	12-M	613	LYS
3	12-M	615	SER
3	12-M	621	LEU
3	12-M	625	THR
3	12-M	664	LEU
3	12-M	666	SER
3	12-M	673	ARG
3	12-M	675	ILE
3	12-M	676	ILE
3	12-M	681	LYS
3	12-M	686	MET
3	12-M	689	GLU
3	12-M	690	LEU
3	12-M	693	HIS
3	12-M	698	ASN
3	12-M	700	VAL
3	12-M	701	LEU
3	12-M	702	GLU
3	12-M	704	ILE
3	12-M	705	ARG
3	12-M	707	CYS
3	12-M	708	ARG
3	12-M	713	SER
3	12-M	714	ARG
3	12-M	716	LEU
3	12-M	722	GLN
3	12-M	723	ARG
3	12-M	727	LEU
3	12-M	728	ASN
3	12-M	734	GLU
3	12-M	737	PHE
3	12-M	744	SER
3	12-M	745	GLU
3	12-M	748	LEU
3	12-M	752	ASP

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Mol	Chain	Res	Type
3	12-M	753	VAL
3	12-M	754	ASP
3	12-M	762	HIS
3	12-M	772	LEU
3	12-M	774	LEU
3	12-M	785	GLU
3	12-M	787	ILE
3	12-M	793	ARG
3	12-M	798	LEU
3	12-M	799	MET
3	12-M	802	GLU
3	12-M	810	ARG
3	12-M	816	ILE
3	12-M	819	ASN
3	12-M	822	SER
3	12-M	832	MET
3	12-M	833	LYS
3	12-M	834	LEU
3	12-M	838	ILE
3	12-M	842	LEU
3	12-M	843	LYS
1	13-B	16	PHE
1	13-B	35	ASP
1	13-B	75	ILE
1	13-B	94	GLU
1	13-B	107	ASP
1	13-B	114	LYS
1	13-B	117	LEU
1	13-B	129	THR
1	13-B	141	PRO
1	13-B	144	VAL
1	13-B	147	ASN
1	13-B	162	ASP
2	13-C	5	ASP
2	13-C	6	GLU
2	13-C	7	ILE
2	13-C	28	SER
2	13-C	49	ILE
2	13-C	55	LYS
2	13-C	63	ILE
2	13-C	65	PHE
2	13-C	84	PHE

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Mol	Chain	Res	Type
2	13-C	96	LYS
2	13-C	102	VAL
2	13-C	131	GLU
2	13-C	137	ILE
3	13-M	7	MET
3	13-M	12	GLU
3	13-M	17	LEU
3	13-M	20	SER
3	13-M	22	LYS
3	13-M	23	GLU
3	13-M	25	ILE
3	13-M	30	LYS
3	13-M	35	LYS
3	13-M	36	SER
3	13-M	37	SER
3	13-M	38	VAL
3	13-M	40	VAL
3	13-M	41	VAL
3	13-M	46	SER
3	13-M	49	LYS
3	13-M	52	ILE
3	13-M	55	LYS
3	13-M	61	THR
3	13-M	65	GLU
3	13-M	69	THR
3	13-M	70	LEU
3	13-M	72	VAL
3	13-M	73	LYS
3	13-M	75	ASP
3	13-M	76	GLN
3	13-M	88	ILE
3	13-M	97	LEU
3	13-M	106	LEU
3	13-M	109	ARG
3	13-M	114	MET
3	13-M	117	THR
3	13-M	121	LEU
3	13-M	125	THR
3	13-M	126	VAL
3	13-M	127	ASN
3	13-M	130	LYS
3	13-M	136	ASN

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Mol	Chain	Res	Type
3	13-M	146	LYS
3	13-M	149	GLN
3	13-M	155	ILE
3	13-M	157	SER
3	13-M	158	ILE
3	13-M	159	SER
3	13-M	166	MET
3	13-M	167	LEU
3	13-M	169	ASP
3	13-M	170	ARG
3	13-M	173	GLN
3	13-M	175	ILE
3	13-M	178	THR
3	13-M	180	GLU
3	13-M	185	LYS
3	13-M	186	THR
3	13-M	187	VAL
3	13-M	189	THR
3	13-M	191	ARG
3	13-M	193	ILE
3	13-M	194	GLN
3	13-M	198	THR
3	13-M	199	ILE
3	13-M	202	SER
3	13-M	218	LEU
3	13-M	221	GLN
3	13-M	223	ILE
3	13-M	229	LEU
3	13-M	244	SER
3	13-M	245	ARG
3	13-M	248	LYS
3	13-M	251	ARG
3	13-M	273	SER
3	13-M	274	ARG
3	13-M	278	GLN
3	13-M	282	GLU
3	13-M	287	ILE
3	13-M	290	GLN
3	13-M	291	ILE
3	13-M	294	ASN
3	13-M	298	GLU
3	13-M	300	ILE

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Mol	Chain	Res	Type
3	13-M	302	MET
3	13-M	303	LEU
3	13-M	305	ILE
3	13-M	315	VAL
3	13-M	325	ILE
3	13-M	331	LEU
3	13-M	332	MET
3	13-M	336	SER
3	13-M	351	ILE
3	13-M	354	LEU
3	13-M	359	MET
3	13-M	364	LEU
3	13-M	365	LYS
3	13-M	372	GLU
3	13-M	376	GLU
3	13-M	381	GLU
3	13-M	389	LEU
3	13-M	392	LEU
3	13-M	394	SER
3	13-M	399	LYS
3	13-M	401	LEU
3	13-M	405	ARG
3	13-M	410	ASN
3	13-M	411	GLU
3	13-M	436	LYS
3	13-M	439	LEU
3	13-M	448	GLN
3	13-M	449	LEU
3	13-M	452	LYS
3	13-M	453	GLN
3	13-M	455	ARG
3	13-M	456	GLN
3	13-M	457	TYR
3	13-M	462	LEU
3	13-M	471	ASP
3	13-M	480	ILE
3	13-M	487	LEU
3	13-M	495	MET
3	13-M	498	LEU
3	13-M	499	GLU
3	13-M	504	LYS
3	13-M	506	GLU

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Mol	Chain	Res	Type
3	13-M	513	ILE
3	13-M	524	GLU
3	13-M	530	MET
3	13-M	532	ILE
3	13-M	534	SER
3	13-M	537	GLU
3	13-M	549	SER
3	13-M	561	LYS
3	13-M	562	SER
3	13-M	580	SER
3	13-M	593	SER
3	13-M	596	LEU
3	13-M	597	GLU
3	13-M	598	LYS
3	13-M	604	ASN
3	13-M	608	ILE
3	13-M	610	LEU
3	13-M	613	LYS
3	13-M	615	SER
3	13-M	621	LEU
3	13-M	625	THR
3	13-M	664	LEU
3	13-M	666	SER
3	13-M	673	ARG
3	13-M	675	ILE
3	13-M	676	ILE
3	13-M	681	LYS
3	13-M	686	MET
3	13-M	689	GLU
3	13-M	690	LEU
3	13-M	693	HIS
3	13-M	698	ASN
3	13-M	700	VAL
3	13-M	701	LEU
3	13-M	702	GLU
3	13-M	704	ILE
3	13-M	705	ARG
3	13-M	707	CYS
3	13-M	708	ARG
3	13-M	713	SER
3	13-M	714	ARG
3	13-M	716	LEU

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Mol	Chain	Res	Type
3	13-M	722	GLN
3	13-M	723	ARG
3	13-M	727	LEU
3	13-M	728	ASN
3	13-M	734	GLU
3	13-M	737	PHE
3	13-M	744	SER
3	13-M	745	GLU
3	13-M	748	LEU
3	13-M	752	ASP
3	13-M	753	VAL
3	13-M	754	ASP
3	13-M	762	HIS
3	13-M	772	LEU
3	13-M	774	LEU
3	13-M	785	GLU
3	13-M	787	ILE
3	13-M	793	ARG
3	13-M	798	LEU
3	13-M	799	MET
3	13-M	802	GLU
3	13-M	810	ARG
3	13-M	816	ILE
3	13-M	819	ASN
3	13-M	822	SER
3	13-M	832	MET
3	13-M	833	LYS
3	13-M	834	LEU
3	13-M	838	ILE
3	13-M	842	LEU
3	13-M	843	LYS
1	14-B	16	PHE
1	14-B	35	ASP
1	14-B	75	ILE
1	14-B	94	GLU
1	14-B	107	ASP
1	14-B	114	LYS
1	14-B	117	LEU
1	14-B	129	THR
1	14-B	141	PRO
1	14-B	144	VAL
1	14-B	147	ASN

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Mol	Chain	Res	Type
1	14-B	162	ASP
2	14-C	5	ASP
2	14-C	6	GLU
2	14-C	7	ILE
2	14-C	28	SER
2	14-C	49	ILE
2	14-C	55	LYS
2	14-C	63	ILE
2	14-C	65	PHE
2	14-C	84	PHE
2	14-C	96	LYS
2	14-C	102	VAL
2	14-C	131	GLU
2	14-C	137	ILE
3	14-M	7	MET
3	14-M	12	GLU
3	14-M	17	LEU
3	14-M	20	SER
3	14-M	22	LYS
3	14-M	23	GLU
3	14-M	25	ILE
3	14-M	30	LYS
3	14-M	35	LYS
3	14-M	36	SER
3	14-M	37	SER
3	14-M	38	VAL
3	14-M	40	VAL
3	14-M	41	VAL
3	14-M	46	SER
3	14-M	49	LYS
3	14-M	52	ILE
3	14-M	55	LYS
3	14-M	61	THR
3	14-M	65	GLU
3	14-M	69	THR
3	14-M	70	LEU
3	14-M	72	VAL
3	14-M	73	LYS
3	14-M	75	ASP
3	14-M	76	GLN
3	14-M	88	ILE
3	14-M	97	LEU

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Mol	Chain	Res	Type
3	14-M	106	LEU
3	14-M	109	ARG
3	14-M	114	MET
3	14-M	117	THR
3	14-M	121	LEU
3	14-M	125	THR
3	14-M	126	VAL
3	14-M	127	ASN
3	14-M	130	LYS
3	14-M	136	ASN
3	14-M	146	LYS
3	14-M	149	GLN
3	14-M	155	ILE
3	14-M	157	SER
3	14-M	158	ILE
3	14-M	159	SER
3	14-M	166	MET
3	14-M	167	LEU
3	14-M	169	ASP
3	14-M	170	ARG
3	14-M	173	GLN
3	14-M	175	ILE
3	14-M	178	THR
3	14-M	180	GLU
3	14-M	185	LYS
3	14-M	186	THR
3	14-M	187	VAL
3	14-M	189	THR
3	14-M	191	ARG
3	14-M	193	ILE
3	14-M	194	GLN
3	14-M	198	THR
3	14-M	199	ILE
3	14-M	202	SER
3	14-M	218	LEU
3	14-M	221	GLN
3	14-M	223	ILE
3	14-M	229	LEU
3	14-M	244	SER
3	14-M	245	ARG
3	14-M	248	LYS
3	14-M	251	ARG

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Mol	Chain	Res	Type
3	14-M	273	SER
3	14-M	274	ARG
3	14-M	278	GLN
3	14-M	282	GLU
3	14-M	287	ILE
3	14-M	290	GLN
3	14-M	291	ILE
3	14-M	294	ASN
3	14-M	298	GLU
3	14-M	300	ILE
3	14-M	302	MET
3	14-M	303	LEU
3	14-M	305	ILE
3	14-M	315	VAL
3	14-M	325	ILE
3	14-M	331	LEU
3	14-M	332	MET
3	14-M	336	SER
3	14-M	351	ILE
3	14-M	354	LEU
3	14-M	359	MET
3	14-M	364	LEU
3	14-M	365	LYS
3	14-M	372	GLU
3	14-M	376	GLU
3	14-M	381	GLU
3	14-M	389	LEU
3	14-M	392	LEU
3	14-M	394	SER
3	14-M	399	LYS
3	14-M	401	LEU
3	14-M	405	ARG
3	14-M	410	ASN
3	14-M	411	GLU
3	14-M	436	LYS
3	14-M	439	LEU
3	14-M	448	GLN
3	14-M	449	LEU
3	14-M	452	LYS
3	14-M	453	GLN
3	14-M	455	ARG
3	14-M	456	GLN

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Mol	Chain	Res	Type
3	14-M	457	TYR
3	14-M	462	LEU
3	14-M	471	ASP
3	14-M	480	ILE
3	14-M	487	LEU
3	14-M	495	MET
3	14-M	498	LEU
3	14-M	499	GLU
3	14-M	504	LYS
3	14-M	506	GLU
3	14-M	513	ILE
3	14-M	524	GLU
3	14-M	530	MET
3	14-M	532	ILE
3	14-M	534	SER
3	14-M	537	GLU
3	14-M	549	SER
3	14-M	561	LYS
3	14-M	562	SER
3	14-M	580	SER
3	14-M	593	SER
3	14-M	596	LEU
3	14-M	597	GLU
3	14-M	598	LYS
3	14-M	604	ASN
3	14-M	608	ILE
3	14-M	610	LEU
3	14-M	613	LYS
3	14-M	615	SER
3	14-M	621	LEU
3	14-M	625	THR
3	14-M	664	LEU
3	14-M	666	SER
3	14-M	673	ARG
3	14-M	675	ILE
3	14-M	676	ILE
3	14-M	681	LYS
3	14-M	686	MET
3	14-M	689	GLU
3	14-M	690	LEU
3	14-M	693	HIS
3	14-M	698	ASN

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Mol	Chain	Res	Type
3	14-M	700	VAL
3	14-M	701	LEU
3	14-M	702	GLU
3	14-M	704	ILE
3	14-M	705	ARG
3	14-M	707	CYS
3	14-M	708	ARG
3	14-M	713	SER
3	14-M	714	ARG
3	14-M	716	LEU
3	14-M	722	GLN
3	14-M	723	ARG
3	14-M	727	LEU
3	14-M	728	ASN
3	14-M	734	GLU
3	14-M	737	PHE
3	14-M	744	SER
3	14-M	745	GLU
3	14-M	748	LEU
3	14-M	752	ASP
3	14-M	753	VAL
3	14-M	754	ASP
3	14-M	762	HIS
3	14-M	772	LEU
3	14-M	774	LEU
3	14-M	785	GLU
3	14-M	787	ILE
3	14-M	793	ARG
3	14-M	798	LEU
3	14-M	799	MET
3	14-M	802	GLU
3	14-M	810	ARG
3	14-M	816	ILE
3	14-M	819	ASN
3	14-M	822	SER
3	14-M	832	MET
3	14-M	833	LYS
3	14-M	834	LEU
3	14-M	838	ILE
3	14-M	842	LEU
3	14-M	843	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (468)

such sidechains are listed below:

Mol	Chain	Res	Type
1	1-B	23	GLN
1	1-B	36	GLN
1	1-B	159	HIS
2	1-C	40	ASN
3	1-M	29	ASN
3	1-M	76	GLN
3	1-M	127	ASN
3	1-M	149	GLN
3	1-M	164	GLN
3	1-M	188	ASN
3	1-M	194	GLN
3	1-M	226	ASN
3	1-M	253	HIS
3	1-M	290	GLN
3	1-M	317	GLN
3	1-M	360	HIS
3	1-M	368	GLN
3	1-M	417	GLN
3	1-M	424	ASN
3	1-M	447	GLN
3	1-M	453	GLN
3	1-M	481	ASN
3	1-M	484	ASN
3	1-M	563	ASN
3	1-M	564	ASN
3	1-M	578	HIS
3	1-M	591	ASN
3	1-M	670	HIS
3	1-M	698	ASN
3	1-M	722	GLN
3	1-M	736	GLN
3	1-M	762	HIS
3	1-M	825	ASN
1	2-B	23	GLN
1	2-B	36	GLN
2	2-C	40	ASN
3	2-M	29	ASN
3	2-M	76	GLN
3	2-M	127	ASN
3	2-M	149	GLN
3	2-M	164	GLN
3	2-M	188	ASN

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Mol	Chain	Res	Type
3	2-M	194	GLN
3	2-M	226	ASN
3	2-M	253	HIS
3	2-M	290	GLN
3	2-M	317	GLN
3	2-M	360	HIS
3	2-M	368	GLN
3	2-M	417	GLN
3	2-M	424	ASN
3	2-M	447	GLN
3	2-M	453	GLN
3	2-M	481	ASN
3	2-M	484	ASN
3	2-M	563	ASN
3	2-M	564	ASN
3	2-M	578	HIS
3	2-M	591	ASN
3	2-M	670	HIS
3	2-M	698	ASN
3	2-M	722	GLN
3	2-M	736	GLN
3	2-M	762	HIS
3	2-M	825	ASN
1	3-B	23	GLN
1	3-B	36	GLN
1	3-B	159	HIS
2	3-C	40	ASN
3	3-M	29	ASN
3	3-M	76	GLN
3	3-M	127	ASN
3	3-M	149	GLN
3	3-M	164	GLN
3	3-M	188	ASN
3	3-M	194	GLN
3	3-M	253	HIS
3	3-M	290	GLN
3	3-M	317	GLN
3	3-M	360	HIS
3	3-M	368	GLN
3	3-M	417	GLN
3	3-M	424	ASN
3	3-M	447	GLN

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Mol	Chain	Res	Type
3	3-M	453	GLN
3	3-M	481	ASN
3	3-M	484	ASN
3	3-M	488	GLN
3	3-M	563	ASN
3	3-M	564	ASN
3	3-M	578	HIS
3	3-M	591	ASN
3	3-M	670	HIS
3	3-M	698	ASN
3	3-M	722	GLN
3	3-M	736	GLN
3	3-M	762	HIS
3	3-M	825	ASN
1	4-B	23	GLN
1	4-B	36	GLN
1	4-B	159	HIS
2	4-C	40	ASN
3	4-M	29	ASN
3	4-M	76	GLN
3	4-M	127	ASN
3	4-M	149	GLN
3	4-M	164	GLN
3	4-M	188	ASN
3	4-M	194	GLN
3	4-M	226	ASN
3	4-M	253	HIS
3	4-M	290	GLN
3	4-M	317	GLN
3	4-M	360	HIS
3	4-M	368	GLN
3	4-M	417	GLN
3	4-M	424	ASN
3	4-M	447	GLN
3	4-M	453	GLN
3	4-M	481	ASN
3	4-M	484	ASN
3	4-M	563	ASN
3	4-M	564	ASN
3	4-M	578	HIS
3	4-M	591	ASN
3	4-M	670	HIS

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Mol	Chain	Res	Type
3	4-M	698	ASN
3	4-M	722	GLN
3	4-M	736	GLN
3	4-M	762	HIS
3	4-M	825	ASN
1	5-B	23	GLN
1	5-B	36	GLN
1	5-B	159	HIS
2	5-C	40	ASN
3	5-M	29	ASN
3	5-M	76	GLN
3	5-M	127	ASN
3	5-M	149	GLN
3	5-M	164	GLN
3	5-M	188	ASN
3	5-M	194	GLN
3	5-M	253	HIS
3	5-M	290	GLN
3	5-M	317	GLN
3	5-M	360	HIS
3	5-M	368	GLN
3	5-M	417	GLN
3	5-M	424	ASN
3	5-M	447	GLN
3	5-M	453	GLN
3	5-M	481	ASN
3	5-M	484	ASN
3	5-M	488	GLN
3	5-M	563	ASN
3	5-M	564	ASN
3	5-M	578	HIS
3	5-M	591	ASN
3	5-M	670	HIS
3	5-M	698	ASN
3	5-M	722	GLN
3	5-M	736	GLN
3	5-M	762	HIS
3	5-M	825	ASN
1	6-B	23	GLN
1	6-B	36	GLN
1	6-B	152	ASN
2	6-C	40	ASN

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Mol	Chain	Res	Type
3	6-M	29	ASN
3	6-M	76	GLN
3	6-M	127	ASN
3	6-M	149	GLN
3	6-M	164	GLN
3	6-M	188	ASN
3	6-M	194	GLN
3	6-M	253	HIS
3	6-M	290	GLN
3	6-M	317	GLN
3	6-M	360	HIS
3	6-M	368	GLN
3	6-M	417	GLN
3	6-M	424	ASN
3	6-M	447	GLN
3	6-M	453	GLN
3	6-M	481	ASN
3	6-M	484	ASN
3	6-M	488	GLN
3	6-M	563	ASN
3	6-M	564	ASN
3	6-M	578	HIS
3	6-M	591	ASN
3	6-M	670	HIS
3	6-M	698	ASN
3	6-M	722	GLN
3	6-M	736	GLN
3	6-M	762	HIS
3	6-M	825	ASN
1	7-B	23	GLN
1	7-B	36	GLN
1	7-B	159	HIS
2	7-C	40	ASN
3	7-M	29	ASN
3	7-M	76	GLN
3	7-M	127	ASN
3	7-M	149	GLN
3	7-M	164	GLN
3	7-M	188	ASN
3	7-M	194	GLN
3	7-M	226	ASN
3	7-M	253	HIS

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Mol	Chain	Res	Type
3	7-M	290	GLN
3	7-M	317	GLN
3	7-M	360	HIS
3	7-M	368	GLN
3	7-M	417	GLN
3	7-M	424	ASN
3	7-M	447	GLN
3	7-M	453	GLN
3	7-M	481	ASN
3	7-M	484	ASN
3	7-M	563	ASN
3	7-M	564	ASN
3	7-M	578	HIS
3	7-M	591	ASN
3	7-M	670	HIS
3	7-M	698	ASN
3	7-M	722	GLN
3	7-M	736	GLN
3	7-M	762	HIS
3	7-M	825	ASN
1	8-B	23	GLN
1	8-B	36	GLN
1	8-B	159	HIS
2	8-C	40	ASN
3	8-M	29	ASN
3	8-M	76	GLN
3	8-M	127	ASN
3	8-M	149	GLN
3	8-M	164	GLN
3	8-M	188	ASN
3	8-M	194	GLN
3	8-M	226	ASN
3	8-M	253	HIS
3	8-M	290	GLN
3	8-M	317	GLN
3	8-M	360	HIS
3	8-M	368	GLN
3	8-M	417	GLN
3	8-M	424	ASN
3	8-M	447	GLN
3	8-M	453	GLN
3	8-M	481	ASN

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Mol	Chain	Res	Type
3	8-M	484	ASN
3	8-M	563	ASN
3	8-M	564	ASN
3	8-M	578	HIS
3	8-M	591	ASN
3	8-M	670	HIS
3	8-M	698	ASN
3	8-M	722	GLN
3	8-M	736	GLN
3	8-M	762	HIS
3	8-M	825	ASN
1	9-B	23	GLN
1	9-B	36	GLN
2	9-C	40	ASN
3	9-M	29	ASN
3	9-M	76	GLN
3	9-M	127	ASN
3	9-M	149	GLN
3	9-M	164	GLN
3	9-M	188	ASN
3	9-M	194	GLN
3	9-M	253	HIS
3	9-M	290	GLN
3	9-M	317	GLN
3	9-M	360	HIS
3	9-M	368	GLN
3	9-M	417	GLN
3	9-M	424	ASN
3	9-M	447	GLN
3	9-M	453	GLN
3	9-M	481	ASN
3	9-M	484	ASN
3	9-M	488	GLN
3	9-M	563	ASN
3	9-M	564	ASN
3	9-M	578	HIS
3	9-M	591	ASN
3	9-M	670	HIS
3	9-M	698	ASN
3	9-M	722	GLN
3	9-M	736	GLN
3	9-M	762	HIS

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Mol	Chain	Res	Type
3	9-M	825	ASN
1	10-B	23	GLN
1	10-B	36	GLN
1	10-B	159	HIS
2	10-C	40	ASN
3	10-M	29	ASN
3	10-M	76	GLN
3	10-M	127	ASN
3	10-M	149	GLN
3	10-M	154	HIS
3	10-M	164	GLN
3	10-M	188	ASN
3	10-M	194	GLN
3	10-M	253	HIS
3	10-M	290	GLN
3	10-M	317	GLN
3	10-M	360	HIS
3	10-M	368	GLN
3	10-M	417	GLN
3	10-M	424	ASN
3	10-M	447	GLN
3	10-M	453	GLN
3	10-M	481	ASN
3	10-M	484	ASN
3	10-M	488	GLN
3	10-M	552	ASN
3	10-M	563	ASN
3	10-M	564	ASN
3	10-M	578	HIS
3	10-M	591	ASN
3	10-M	670	HIS
3	10-M	698	ASN
3	10-M	722	GLN
3	10-M	736	GLN
3	10-M	762	HIS
3	10-M	825	ASN
1	11-B	23	GLN
1	11-B	36	GLN
1	11-B	159	HIS
2	11-C	40	ASN
3	11-M	29	ASN
3	11-M	76	GLN

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Mol	Chain	Res	Type
3	11-M	127	ASN
3	11-M	149	GLN
3	11-M	154	HIS
3	11-M	164	GLN
3	11-M	188	ASN
3	11-M	194	GLN
3	11-M	253	HIS
3	11-M	290	GLN
3	11-M	317	GLN
3	11-M	360	HIS
3	11-M	368	GLN
3	11-M	417	GLN
3	11-M	424	ASN
3	11-M	447	GLN
3	11-M	453	GLN
3	11-M	481	ASN
3	11-M	484	ASN
3	11-M	488	GLN
3	11-M	552	ASN
3	11-M	563	ASN
3	11-M	564	ASN
3	11-M	578	HIS
3	11-M	591	ASN
3	11-M	670	HIS
3	11-M	698	ASN
3	11-M	722	GLN
3	11-M	736	GLN
3	11-M	762	HIS
3	11-M	825	ASN
1	12-B	23	GLN
1	12-B	36	GLN
2	12-C	40	ASN
3	12-M	29	ASN
3	12-M	76	GLN
3	12-M	127	ASN
3	12-M	149	GLN
3	12-M	154	HIS
3	12-M	164	GLN
3	12-M	188	ASN
3	12-M	194	GLN
3	12-M	253	HIS
3	12-M	290	GLN

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Mol	Chain	Res	Type
3	12-M	317	GLN
3	12-M	360	HIS
3	12-M	368	GLN
3	12-M	417	GLN
3	12-M	424	ASN
3	12-M	447	GLN
3	12-M	453	GLN
3	12-M	481	ASN
3	12-M	484	ASN
3	12-M	488	GLN
3	12-M	552	ASN
3	12-M	563	ASN
3	12-M	564	ASN
3	12-M	578	HIS
3	12-M	591	ASN
3	12-M	670	HIS
3	12-M	698	ASN
3	12-M	722	GLN
3	12-M	736	GLN
3	12-M	762	HIS
3	12-M	825	ASN
1	13-B	23	GLN
1	13-B	36	GLN
1	13-B	159	HIS
2	13-C	40	ASN
3	13-M	29	ASN
3	13-M	76	GLN
3	13-M	127	ASN
3	13-M	149	GLN
3	13-M	154	HIS
3	13-M	164	GLN
3	13-M	188	ASN
3	13-M	194	GLN
3	13-M	253	HIS
3	13-M	290	GLN
3	13-M	317	GLN
3	13-M	360	HIS
3	13-M	368	GLN
3	13-M	417	GLN
3	13-M	424	ASN
3	13-M	447	GLN
3	13-M	453	GLN

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Mol	Chain	Res	Type
3	13-M	481	ASN
3	13-M	484	ASN
3	13-M	488	GLN
3	13-M	552	ASN
3	13-M	563	ASN
3	13-M	564	ASN
3	13-M	578	HIS
3	13-M	591	ASN
3	13-M	670	HIS
3	13-M	698	ASN
3	13-M	722	GLN
3	13-M	736	GLN
3	13-M	762	HIS
3	13-M	825	ASN
1	14-B	23	GLN
1	14-B	36	GLN
2	14-C	40	ASN
3	14-M	29	ASN
3	14-M	76	GLN
3	14-M	127	ASN
3	14-M	149	GLN
3	14-M	154	HIS
3	14-M	164	GLN
3	14-M	188	ASN
3	14-M	194	GLN
3	14-M	253	HIS
3	14-M	290	GLN
3	14-M	317	GLN
3	14-M	360	HIS
3	14-M	368	GLN
3	14-M	417	GLN
3	14-M	424	ASN
3	14-M	447	GLN
3	14-M	453	GLN
3	14-M	481	ASN
3	14-M	484	ASN
3	14-M	488	GLN
3	14-M	552	ASN
3	14-M	563	ASN
3	14-M	564	ASN
3	14-M	578	HIS
3	14-M	591	ASN

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Mol	Chain	Res	Type
3	14-M	670	HIS
3	14-M	698	ASN
3	14-M	722	GLN
3	14-M	736	GLN
3	14-M	762	HIS
3	14-M	825	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

There are no ligands in this entry.

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

The following chains have linkage breaks:

Mol	Chain	Number of breaks
3	1-M	7
3	2-M	7
3	3-M	7
3	4-M	7
3	5-M	7
3	6-M	7

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Mol	Chain	Number of breaks
3	7-M	7
3	9-M	7
3	10-M	7
3	11-M	7
3	12-M	7
3	13-M	7
3	14-M	7
3	8-M	6

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	M	601:ASP	C	602:PRO	N	9.78
2	M	601:ASP	C	602:PRO	N	9.78
3	M	601:ASP	C	602:PRO	N	9.78
4	M	601:ASP	C	602:PRO	N	9.78
5	M	601:ASP	C	602:PRO	N	9.78
6	M	601:ASP	C	602:PRO	N	9.78
7	M	601:ASP	C	602:PRO	N	9.78
8	M	601:ASP	C	602:PRO	N	9.78
9	M	601:ASP	C	602:PRO	N	9.78
10	M	601:ASP	C	602:PRO	N	9.78
11	M	601:ASP	C	602:PRO	N	9.78
12	M	601:ASP	C	602:PRO	N	9.78
13	M	601:ASP	C	602:PRO	N	9.78
14	M	601:ASP	C	602:PRO	N	9.78
1	M	245:ARG	C	246:PHE	N	3.86
2	M	245:ARG	C	246:PHE	N	3.86
3	M	245:ARG	C	246:PHE	N	3.86
4	M	245:ARG	C	246:PHE	N	3.86
5	M	245:ARG	C	246:PHE	N	3.86
6	M	245:ARG	C	246:PHE	N	3.86
7	M	245:ARG	C	246:PHE	N	3.86
8	M	245:ARG	C	246:PHE	N	3.86
9	M	245:ARG	C	246:PHE	N	3.86
10	M	245:ARG	C	246:PHE	N	3.86
11	M	245:ARG	C	246:PHE	N	3.86
12	M	245:ARG	C	246:PHE	N	3.86
13	M	245:ARG	C	246:PHE	N	3.86
14	M	245:ARG	C	246:PHE	N	3.86
1	M	270:LEU	C	271:GLU	N	3.64
2	M	270:LEU	C	271:GLU	N	3.64
3	M	270:LEU	C	271:GLU	N	3.64

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
4	M	270:LEU	C	271:GLU	N	3.64
5	M	270:LEU	C	271:GLU	N	3.64
6	M	270:LEU	C	271:GLU	N	3.64
7	M	270:LEU	C	271:GLU	N	3.64
8	M	270:LEU	C	271:GLU	N	3.64
9	M	270:LEU	C	271:GLU	N	3.64
10	M	270:LEU	C	271:GLU	N	3.64
11	M	270:LEU	C	271:GLU	N	3.64
12	M	270:LEU	C	271:GLU	N	3.64
13	M	270:LEU	C	271:GLU	N	3.64
14	M	270:LEU	C	271:GLU	N	3.64
1	M	449:LEU	C	450:ASP	N	3.51
2	M	449:LEU	C	450:ASP	N	3.51
3	M	449:LEU	C	450:ASP	N	3.51
4	M	449:LEU	C	450:ASP	N	3.51
5	M	449:LEU	C	450:ASP	N	3.51
6	M	449:LEU	C	450:ASP	N	3.51
7	M	449:LEU	C	450:ASP	N	3.51
8	M	449:LEU	C	450:ASP	N	3.51
9	M	449:LEU	C	450:ASP	N	3.51
10	M	449:LEU	C	450:ASP	N	3.51
11	M	449:LEU	C	450:ASP	N	3.51
12	M	449:LEU	C	450:ASP	N	3.51
13	M	449:LEU	C	450:ASP	N	3.51
14	M	449:LEU	C	450:ASP	N	3.51
10	M	709:LYS	C	710:GLY	N	3.11
13	M	709:LYS	C	710:GLY	N	3.11
6	M	709:LYS	C	710:GLY	N	2.94
5	M	709:LYS	C	710:GLY	N	2.85
9	M	709:LYS	C	710:GLY	N	2.82
11	M	709:LYS	C	710:GLY	N	2.81
3	M	709:LYS	C	710:GLY	N	2.67
2	M	709:LYS	C	710:GLY	N	2.57
12	M	709:LYS	C	710:GLY	N	2.30
4	M	709:LYS	C	710:GLY	N	2.07
14	M	709:LYS	C	710:GLY	N	1.94
2	M	731:ALA	C	732:ILE	N	1.92
1	M	731:ALA	C	732:ILE	N	1.91
3	M	731:ALA	C	732:ILE	N	1.91
4	M	731:ALA	C	732:ILE	N	1.91
5	M	731:ALA	C	732:ILE	N	1.91
6	M	731:ALA	C	732:ILE	N	1.91

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
7	M	731:ALA	C	732:ILE	N	1.91
8	M	731:ALA	C	732:ILE	N	1.91
9	M	731:ALA	C	732:ILE	N	1.91
10	M	731:ALA	C	732:ILE	N	1.91
11	M	731:ALA	C	732:ILE	N	1.91
12	M	731:ALA	C	732:ILE	N	1.91
13	M	731:ALA	C	732:ILE	N	1.91
14	M	731:ALA	C	732:ILE	N	1.91
1	M	709:LYS	C	710:GLY	N	1.87
7	M	709:LYS	C	710:GLY	N	1.82
1	M	737:PHE	C	738:MET	N	1.66
2	M	737:PHE	C	738:MET	N	1.66
3	M	737:PHE	C	738:MET	N	1.66
4	M	737:PHE	C	738:MET	N	1.66
5	M	737:PHE	C	738:MET	N	1.66
6	M	737:PHE	C	738:MET	N	1.66
7	M	737:PHE	C	738:MET	N	1.66
8	M	737:PHE	C	738:MET	N	1.66
9	M	737:PHE	C	738:MET	N	1.66
10	M	737:PHE	C	738:MET	N	1.66
11	M	737:PHE	C	738:MET	N	1.66
12	M	737:PHE	C	738:MET	N	1.66
13	M	737:PHE	C	738:MET	N	1.66
14	M	737:PHE	C	738:MET	N	1.66

6 Map visualisation

This section contains visualisations of the EMDB entry EMD-1584. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

This section was not generated.

6.2 Central slices

This section was not generated.

6.3 Largest variance slices

This section was not generated.

6.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

6.5 Orthogonal surface views

This section was not generated.

6.6 Mask visualisation

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

This section contains the results of statistical analysis of the map.

7.1 Map-value distribution

This section was not generated.

7.2 Volume estimate versus contour level

This section was not generated.

7.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

8 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

9 Map-model fit

This section was not generated.