Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 09:09 AM UTC

PDB ID	:	5JTR / pdb_00005jtr
BMRB ID	:	30086
Title	:	The structure of chaperone SecB in complex with unstructured MBP binding site e
Authors	:	Huang, C.; Saio, T.; Rossi, P.; Kalodimos, C.G.
Deposited on	:	2016-05-09

This is a Full wwPDB NMR Structure 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/NMRValidationReportHelp
with specific help available everywhere you see the (i) 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 (i)) were used in the production of this report:

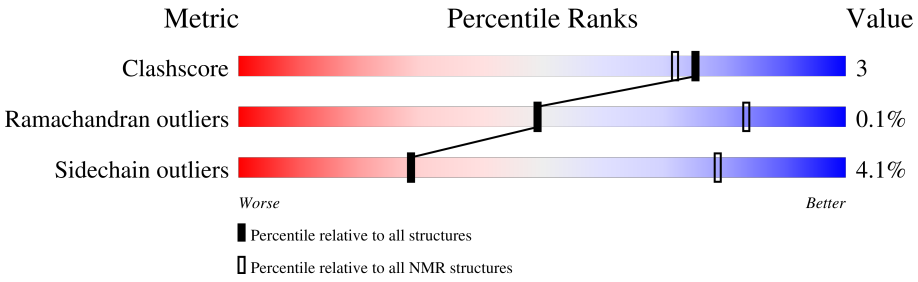
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 14%.

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)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and 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	A	155	77% · 20%
1	B	155	76% · 20%
1	C	155	71% 6% · 22%
1	D	155	74% 5% 21%
2	E	40	100%
2	F	40	100%
2	G	40	100%
2	H	40	100%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 9 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:10-A:133, B:10-B:133, C:10-C:89, C:93-C:133, D:10-D:132 (492)	0.91	9

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 2 clusters and 1 single-model cluster was found.

Cluster number	Models
1	1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18
2	2, 15, 16, 19, 20
Single-model clusters	11

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 12032 atoms, of which 5880 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein-export protein SecB.

Mol	Chain	Residues	Atoms						Trace
1	A	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	B	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	C	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	D	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	

- Molecule 2 is a protein called Maltose-binding periplasmic protein.

Mol	Chain	Residues	Atoms						Trace
2	E	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	F	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	G	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	H	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	

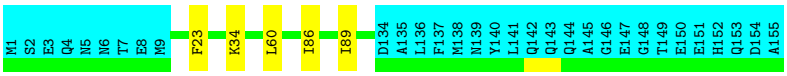
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-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 outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

• Molecule 1: Protein-export protein SecB

Chain A:

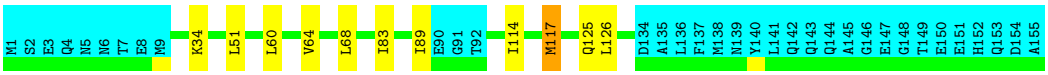


• Molecule 1: Protein-export protein SecB

Chain B:

• Molecule 1: Protein-export protein SecB

Chain C:

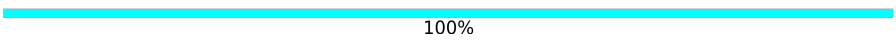


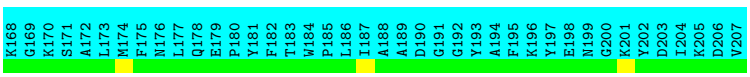
• Molecule 1: Protein-export protein SecB

Chain D:

• Molecule 2: Maltose-binding periplasmic protein

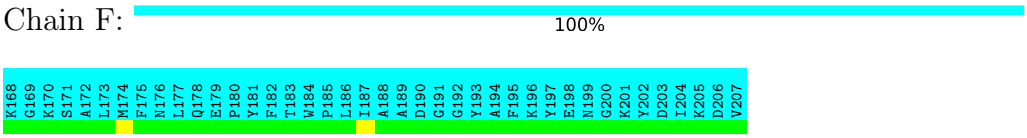
Chain E:





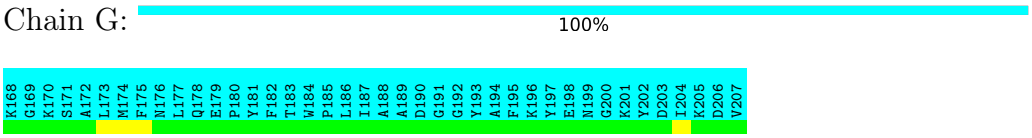
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



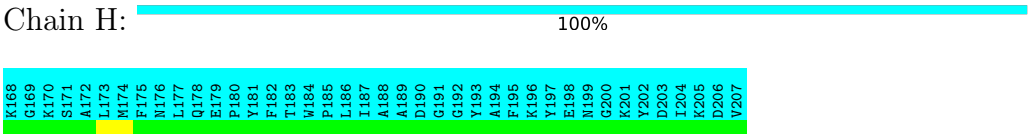
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

Chain H:



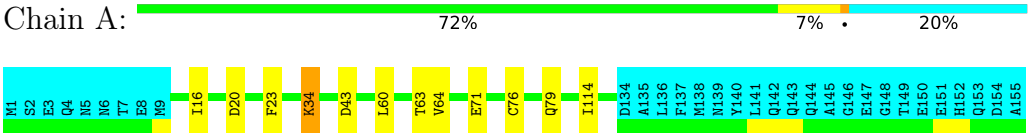
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

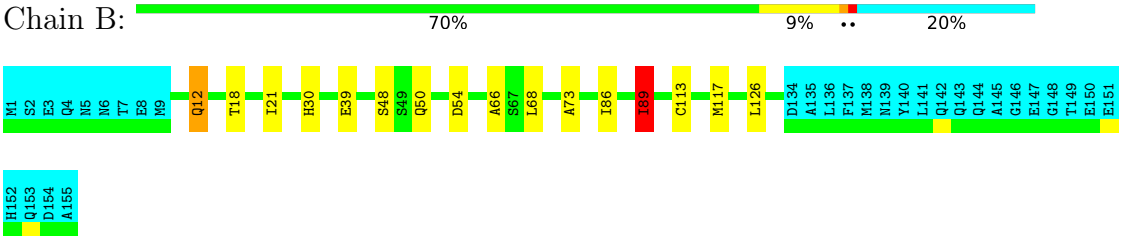
• Molecule 1: Protein-export protein SecB

Chain A:



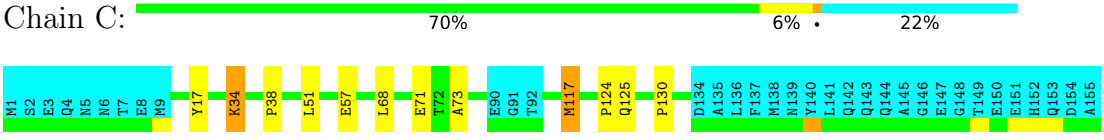
• Molecule 1: Protein-export protein SecB

Chain B:



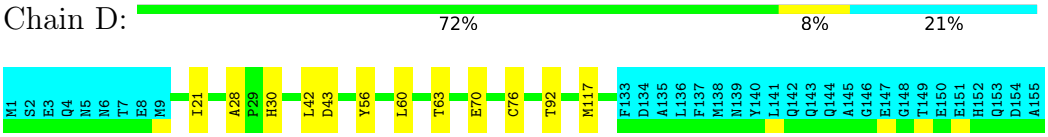
• Molecule 1: Protein-export protein SecB

Chain C:



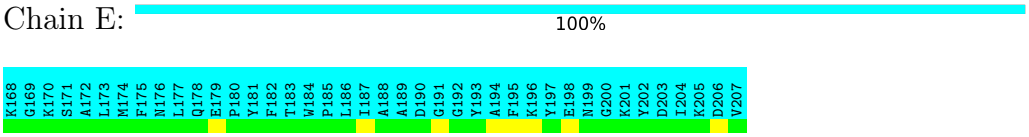
• Molecule 1: Protein-export protein SecB

Chain D:



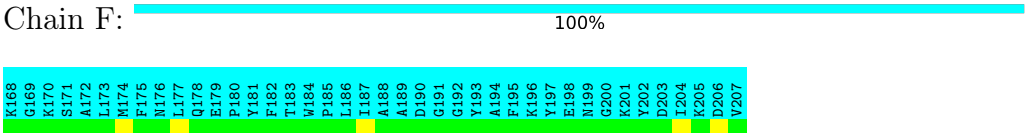
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



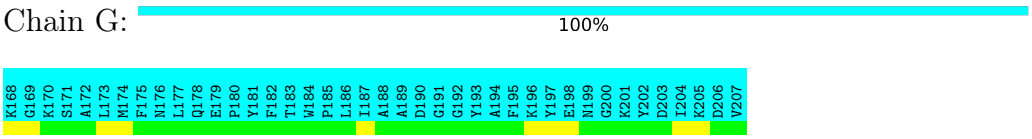
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



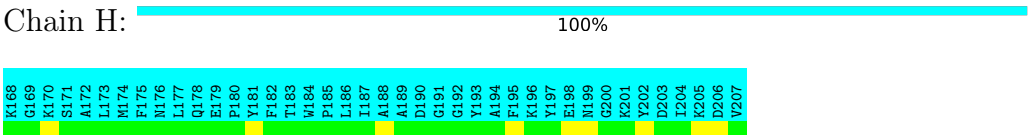
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

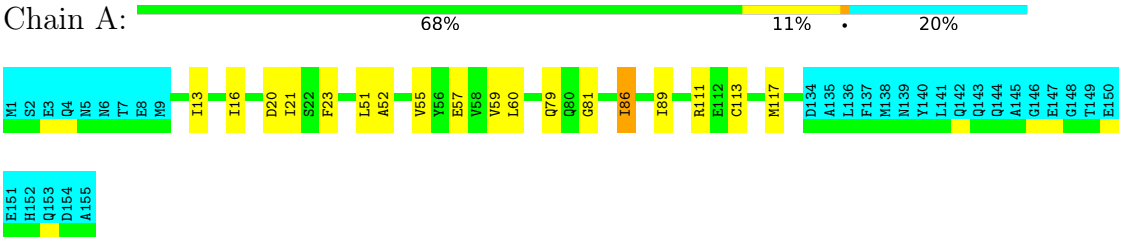
Chain H:



4.2.2 Score per residue for model 2

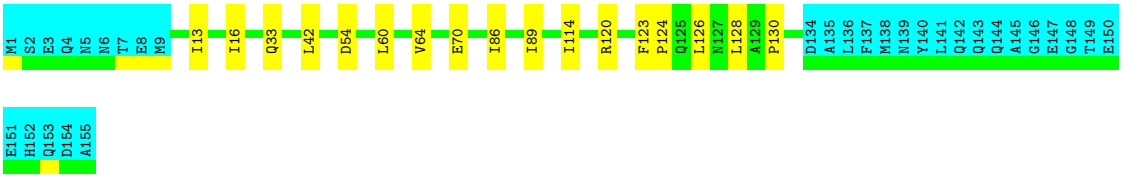
• Molecule 1: Protein-export protein SecB

Chain A:



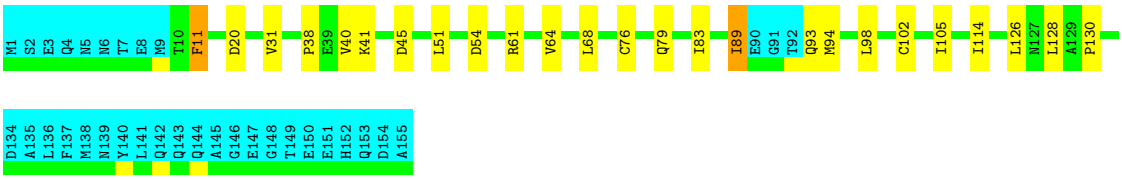
• Molecule 1: Protein-export protein SecB

Chain B:



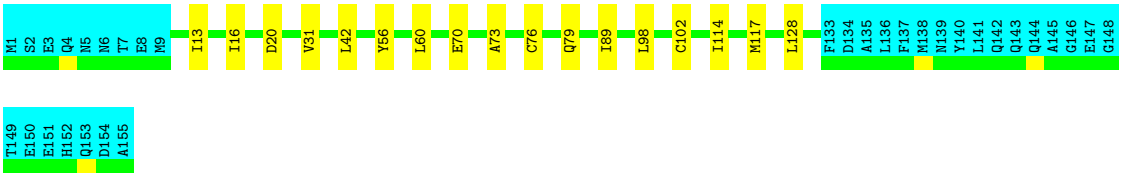
• Molecule 1: Protein-export protein SecB

Chain C:



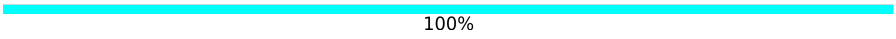
• Molecule 1: Protein-export protein SecB

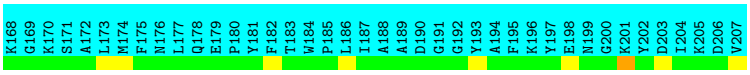
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

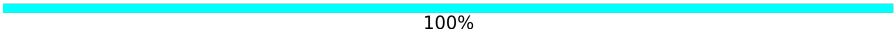
Chain E:

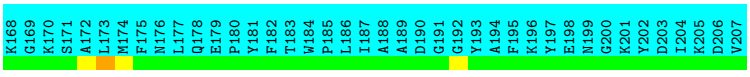




• Molecule 2: Maltose-binding periplasmic protein

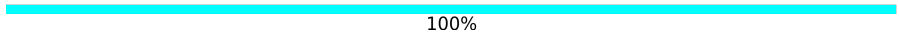
Chain F:

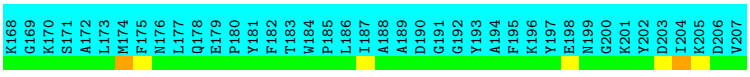




• Molecule 2: Maltose-binding periplasmic protein

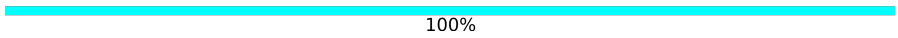
Chain G:

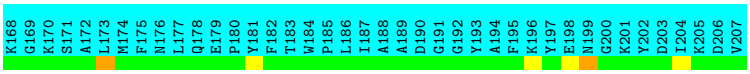




• Molecule 2: Maltose-binding periplasmic protein

Chain H:





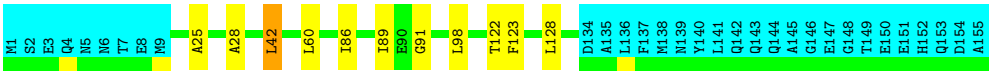
4.2.3 Score per residue for model 3

• Molecule 1: Protein-export protein SecB

Chain A:

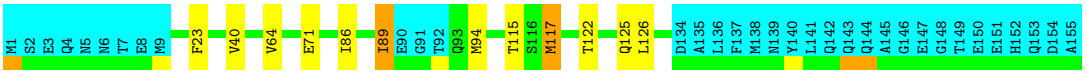
• Molecule 1: Protein-export protein SecB

Chain B:



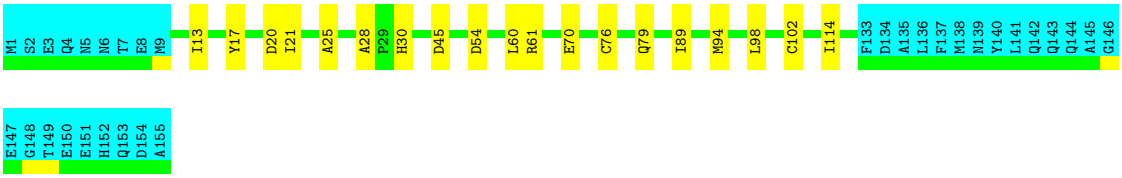
• Molecule 1: Protein-export protein SecB

Chain C:



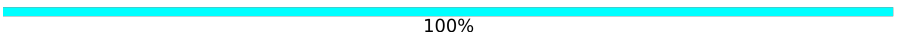
• Molecule 1: Protein-export protein SecB

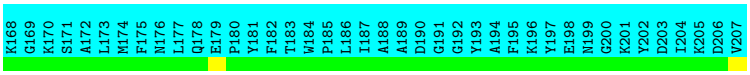
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

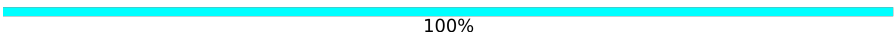
Chain E:

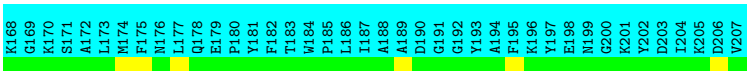




• Molecule 2: Maltose-binding periplasmic protein

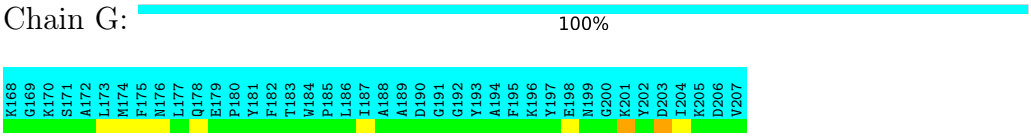
Chain F:





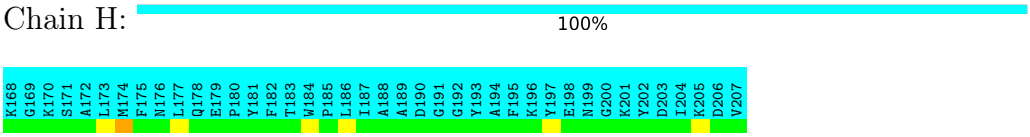
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

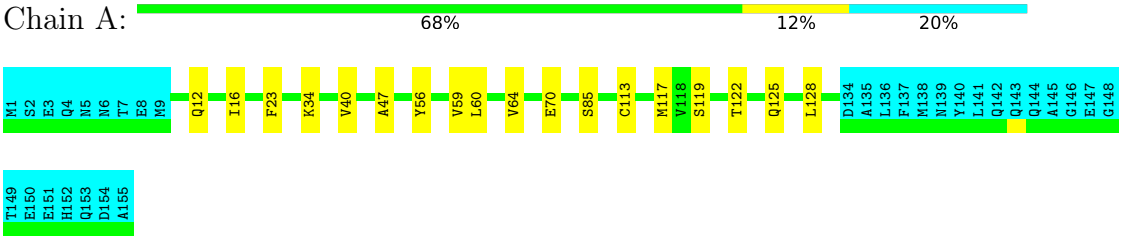
Chain H:



4.2.4 Score per residue for model 4

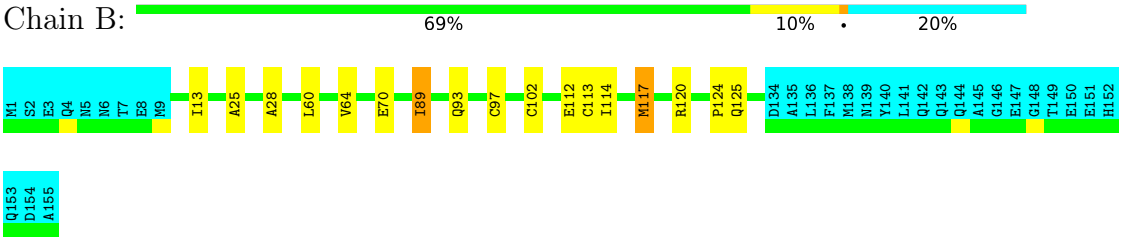
• Molecule 1: Protein-export protein SecB

Chain A:



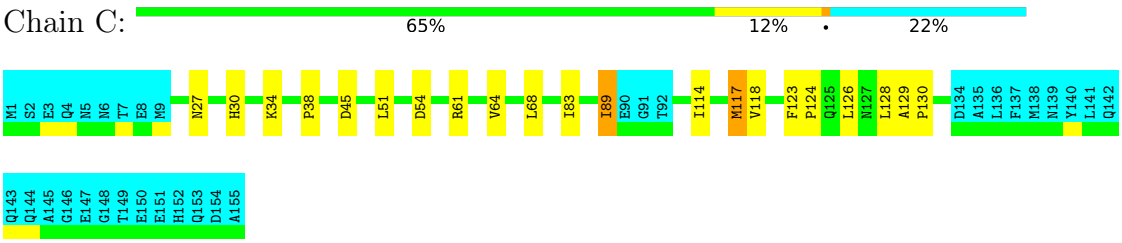
• Molecule 1: Protein-export protein SecB

Chain B:



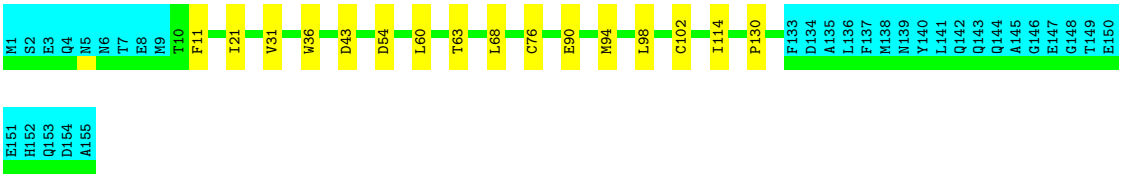
• Molecule 1: Protein-export protein SecB

Chain C:



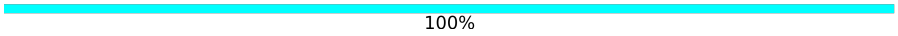
• Molecule 1: Protein-export protein SecB

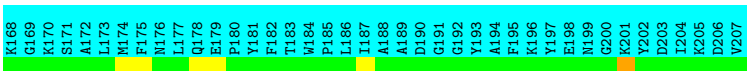
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

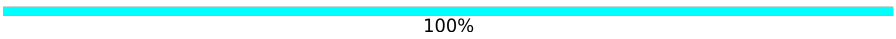
Chain E:

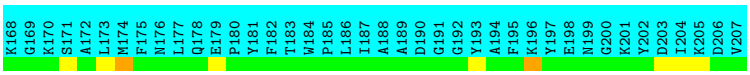




• Molecule 2: Maltose-binding periplasmic protein

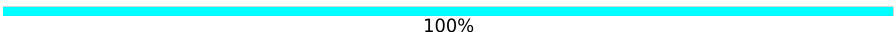
Chain F:

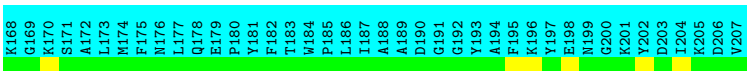




• Molecule 2: Maltose-binding periplasmic protein

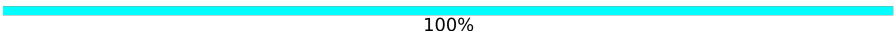
Chain G:

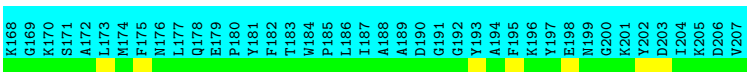




• Molecule 2: Maltose-binding periplasmic protein

Chain H:

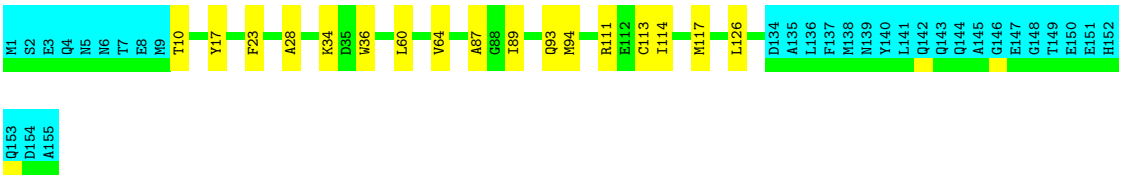




4.2.5 Score per residue for model 5

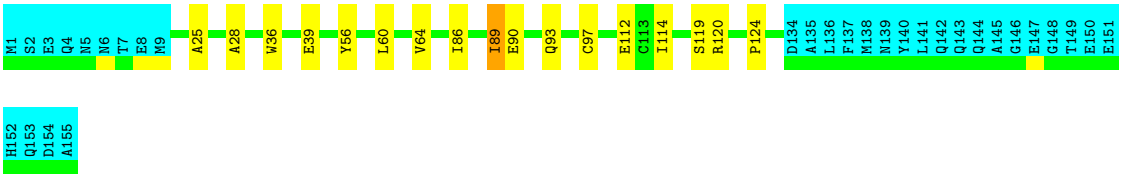
• Molecule 1: Protein-export protein SecB

Chain A:



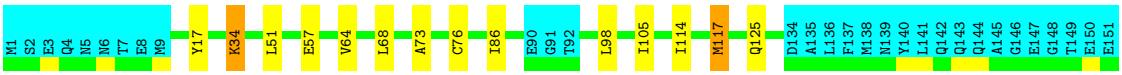
• Molecule 1: Protein-export protein SecB

Chain B:



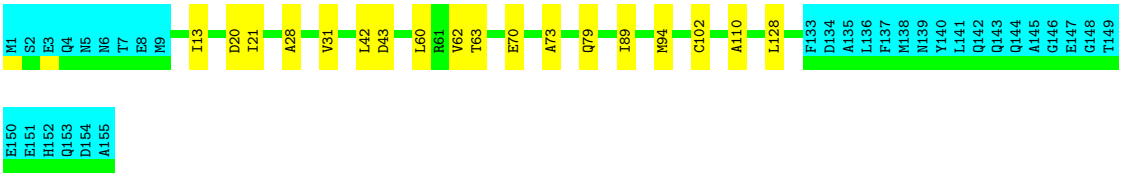
• Molecule 1: Protein-export protein SecB

Chain C:



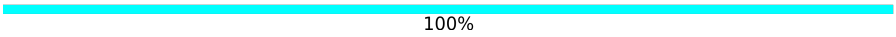
• Molecule 1: Protein-export protein SecB

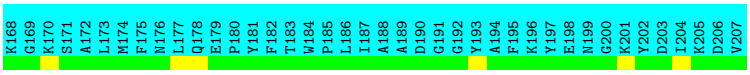
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

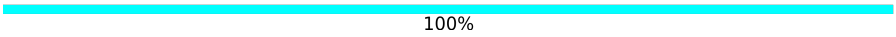
Chain E:

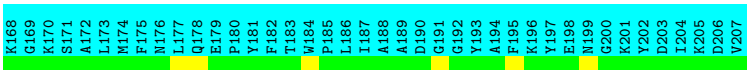




• Molecule 2: Maltose-binding periplasmic protein

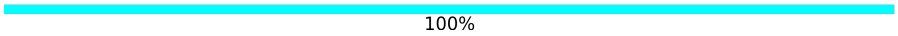
Chain F:

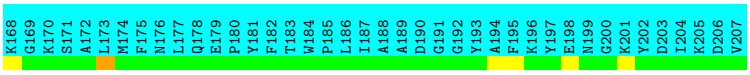




• Molecule 2: Maltose-binding periplasmic protein

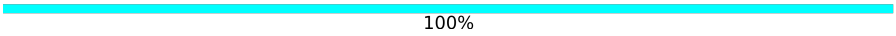
Chain G:

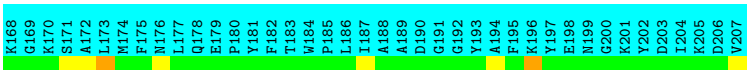




• Molecule 2: Maltose-binding periplasmic protein

Chain H:

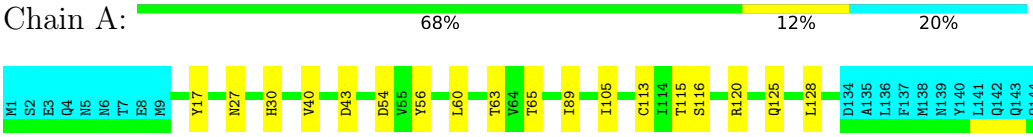




4.2.6 Score per residue for model 6

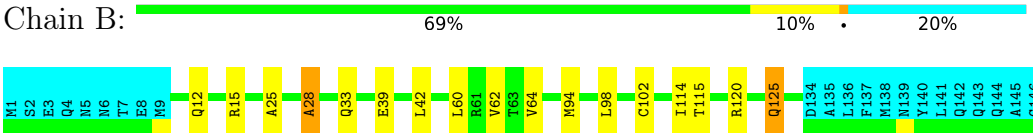
• Molecule 1: Protein-export protein SecB

Chain A:



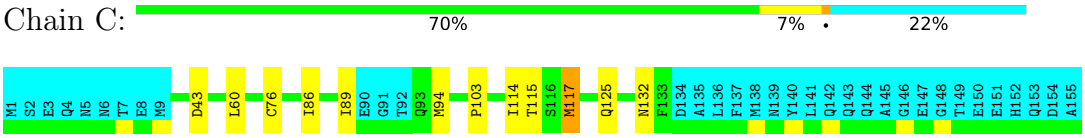
• Molecule 1: Protein-export protein SecB

Chain B:



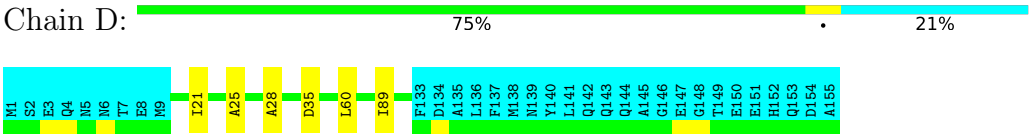
• Molecule 1: Protein-export protein SecB

Chain C:



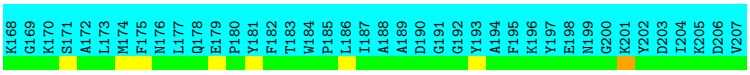
• Molecule 1: Protein-export protein SecB

Chain D:



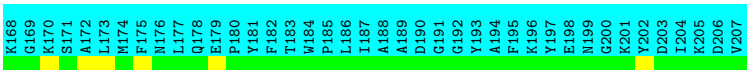
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



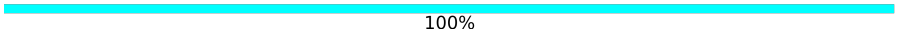
• Molecule 2: Maltose-binding periplasmic protein

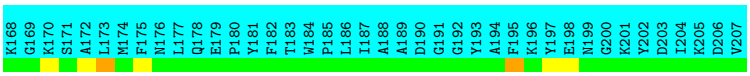
Chain F:



• Molecule 2: Maltose-binding periplasmic protein

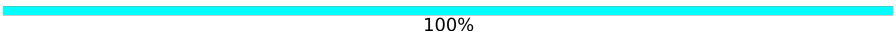
Chain G:

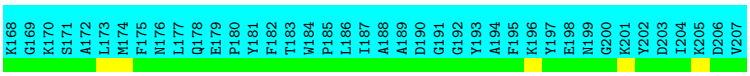




• Molecule 2: Maltose-binding periplasmic protein

Chain H:





4.2.7 Score per residue for model 7

• Molecule 1: Protein-export protein SecB

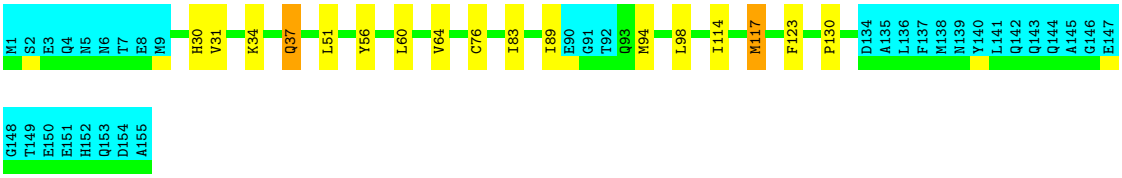
Chain A:

• Molecule 1: Protein-export protein SecB

Chain B:

• Molecule 1: Protein-export protein SecB

Chain C:

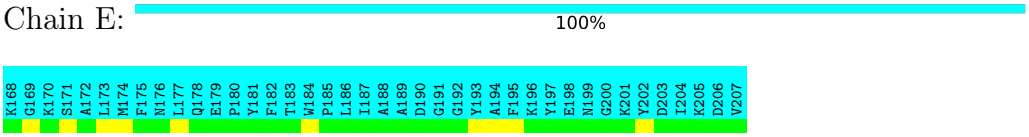


• Molecule 1: Protein-export protein SecB

Chain D:

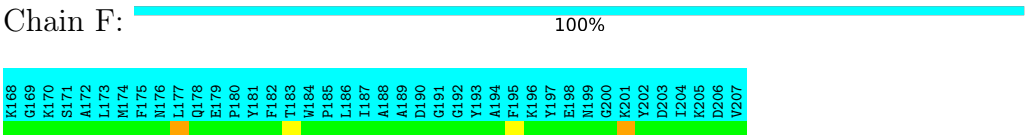
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



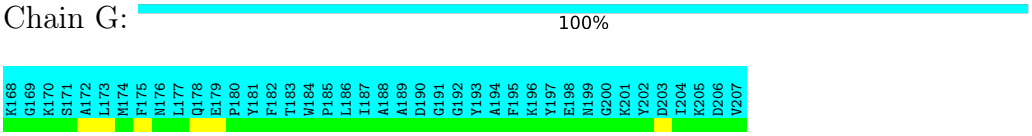
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



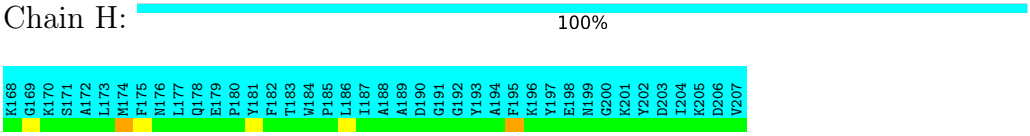
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

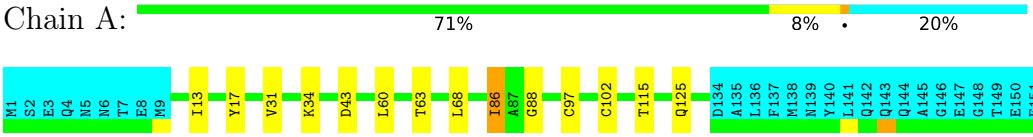
Chain H:



4.2.8 Score per residue for model 8

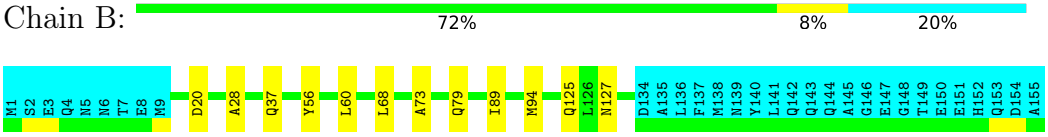
• Molecule 1: Protein-export protein SecB

Chain A:



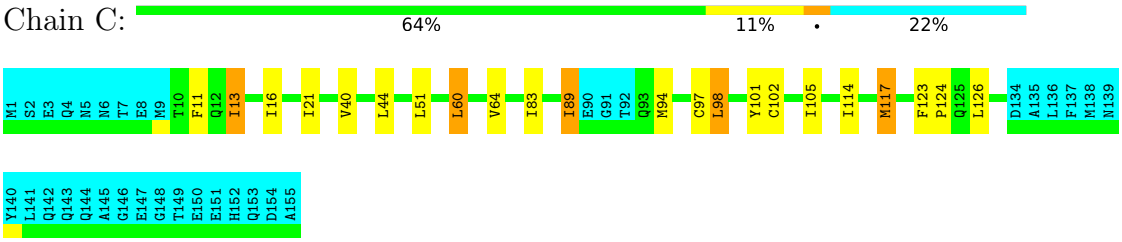
• Molecule 1: Protein-export protein SecB

Chain B:



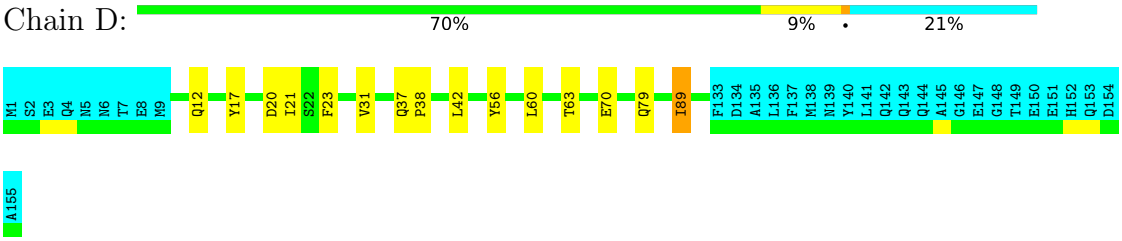
• Molecule 1: Protein-export protein SecB

Chain C:



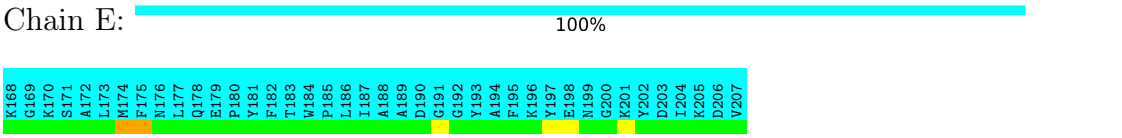
• Molecule 1: Protein-export protein SecB

Chain D:



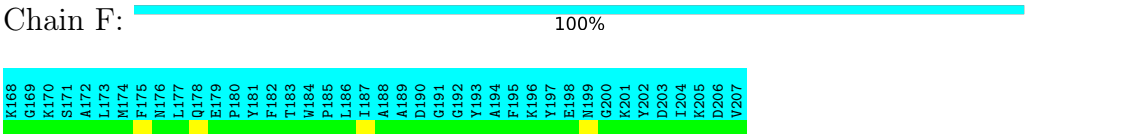
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



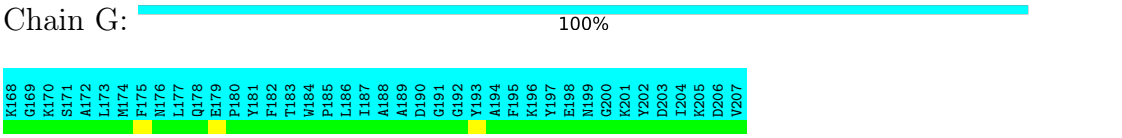
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



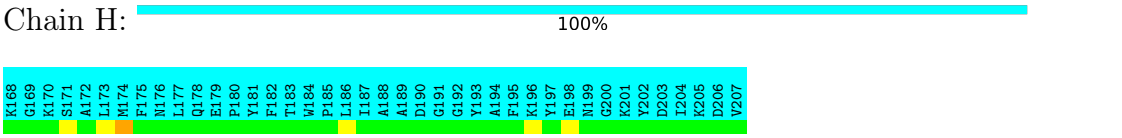
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

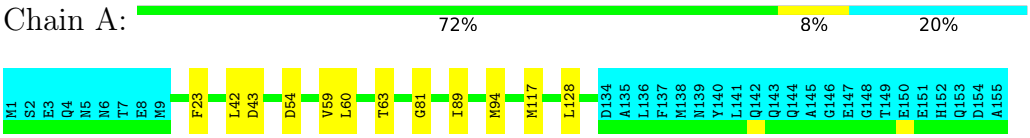
Chain H:



4.2.9 Score per residue for model 9 (medoid)

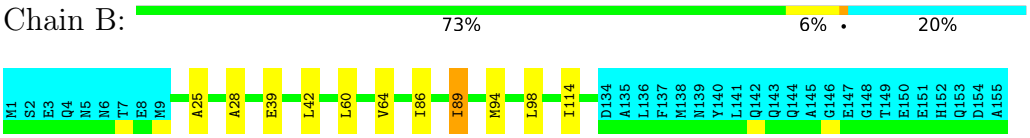
• Molecule 1: Protein-export protein SecB

Chain A:



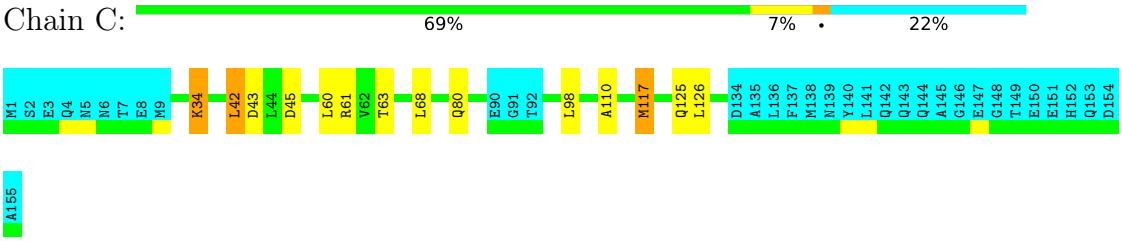
• Molecule 1: Protein-export protein SecB

Chain B:



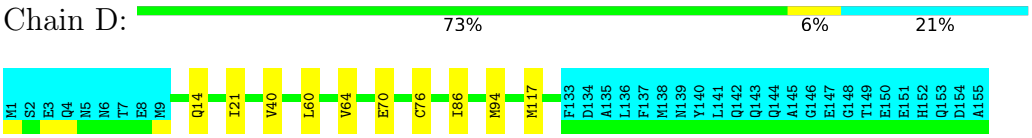
• Molecule 1: Protein-export protein SecB

Chain C:



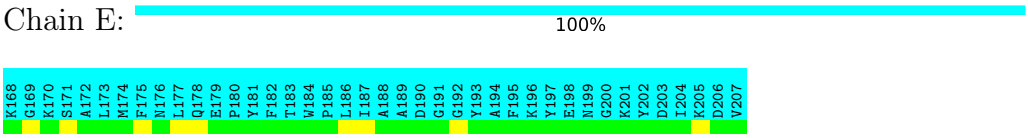
• Molecule 1: Protein-export protein SecB

Chain D:



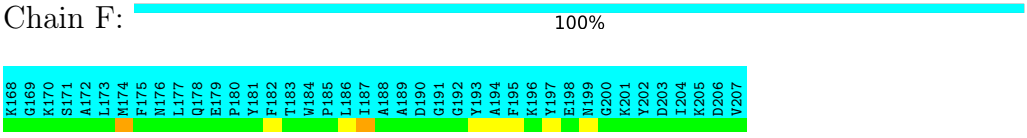
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



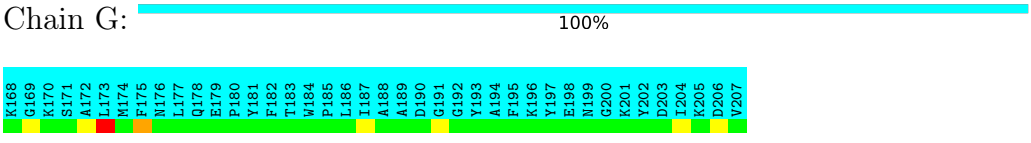
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



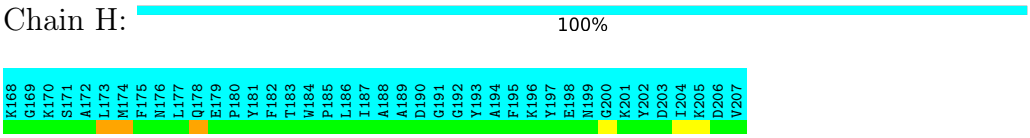
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

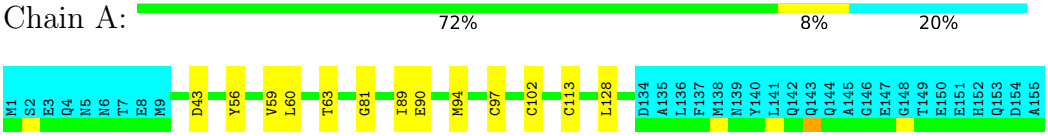
Chain H:



4.2.10 Score per residue for model 10

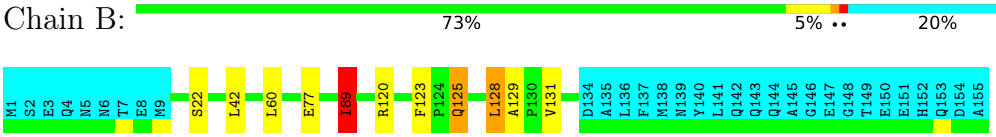
• Molecule 1: Protein-export protein SecB

Chain A:



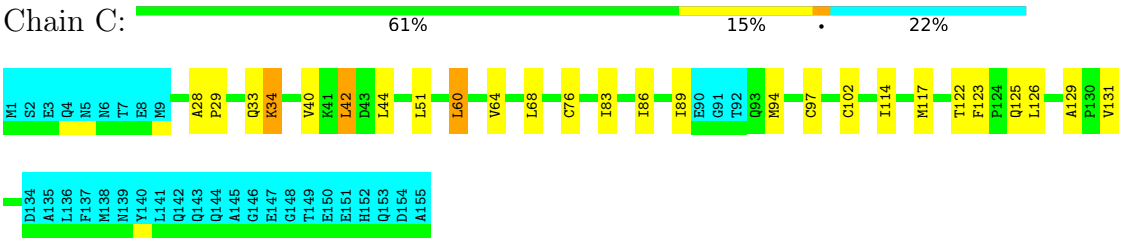
• Molecule 1: Protein-export protein SecB

Chain B:



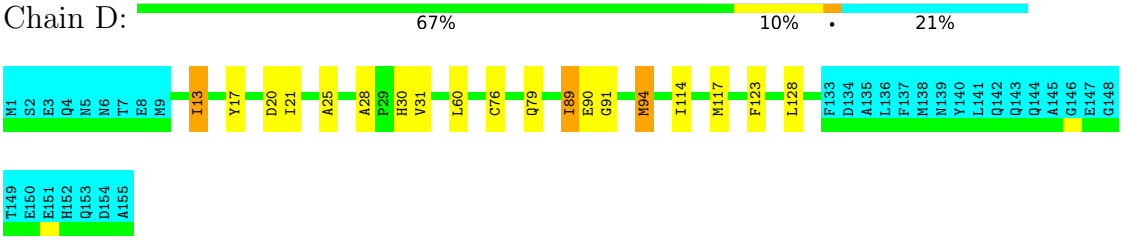
• Molecule 1: Protein-export protein SecB

Chain C:



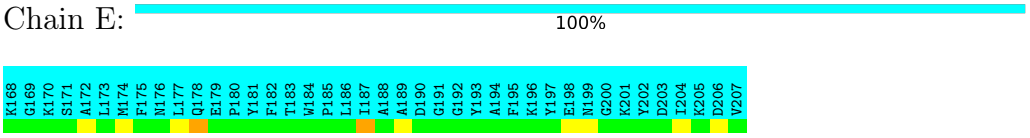
• Molecule 1: Protein-export protein SecB

Chain D:



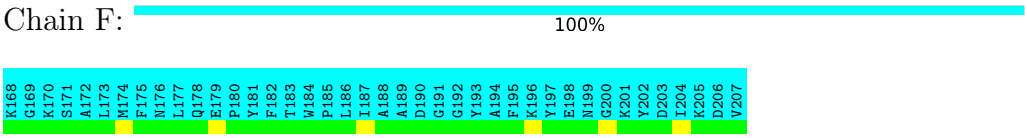
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



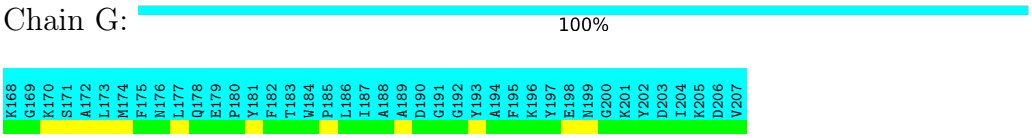
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



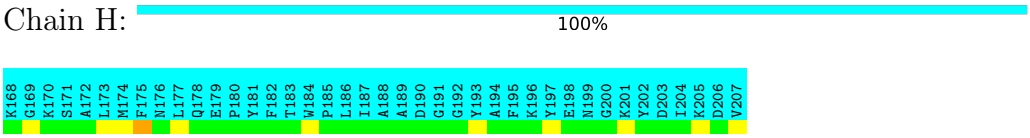
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

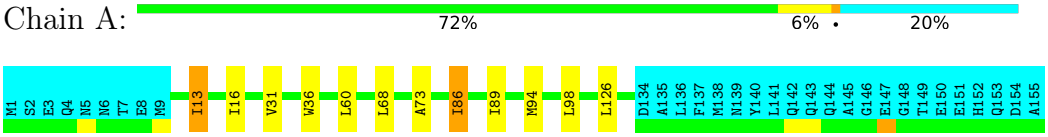
Chain H:



4.2.11 Score per residue for model 11

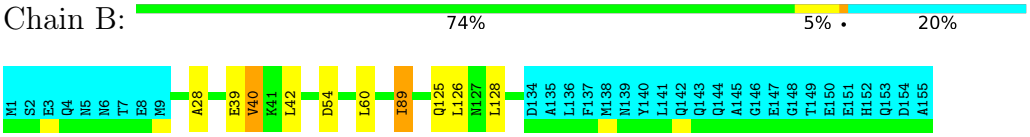
• Molecule 1: Protein-export protein SecB

Chain A:



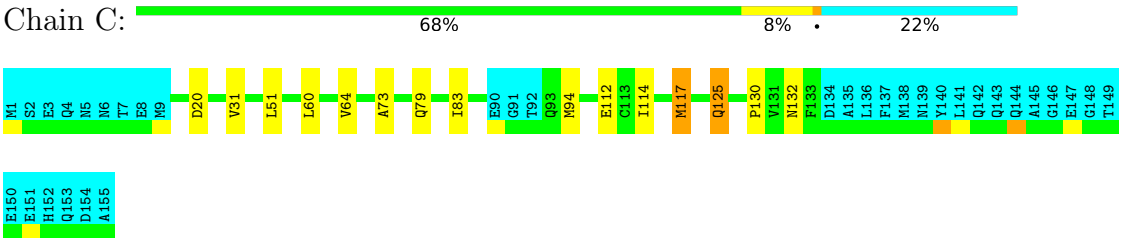
• Molecule 1: Protein-export protein SecB

Chain B:



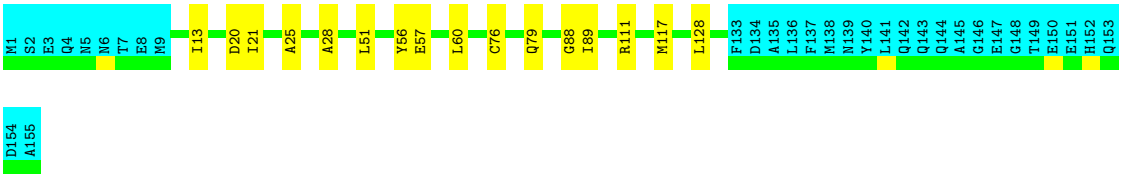
• Molecule 1: Protein-export protein SecB

Chain C:



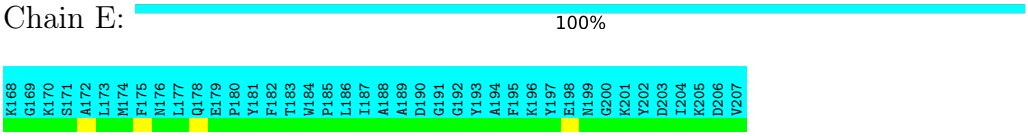
• Molecule 1: Protein-export protein SecB

Chain D:



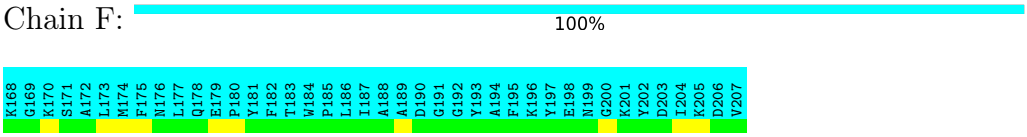
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



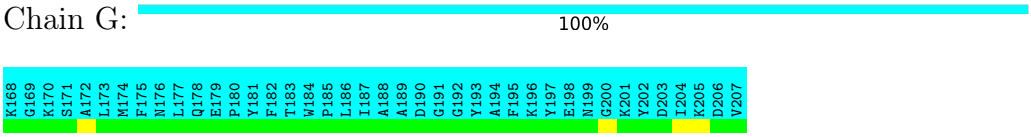
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



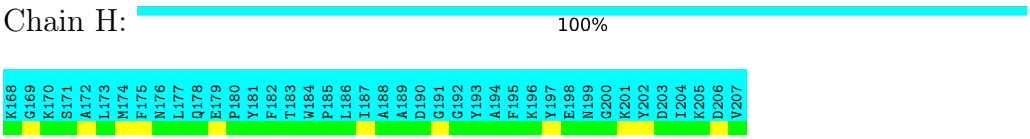
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

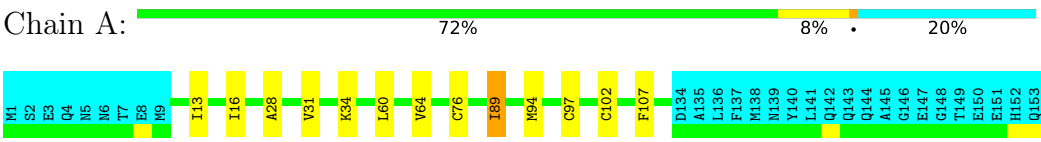
Chain H:



4.2.12 Score per residue for model 12

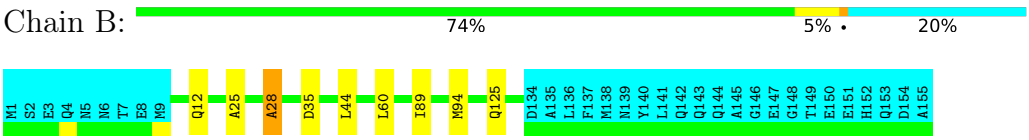
• Molecule 1: Protein-export protein SecB

Chain A:



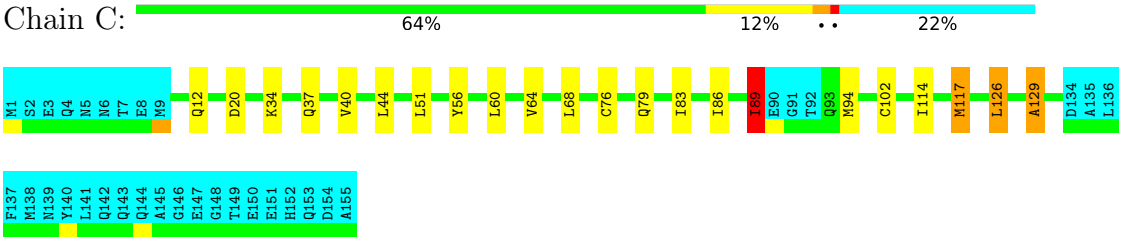
• Molecule 1: Protein-export protein SecB

Chain B:



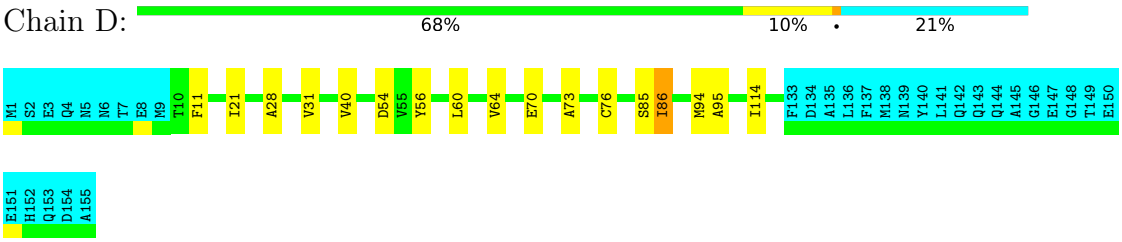
• Molecule 1: Protein-export protein SecB

Chain C:



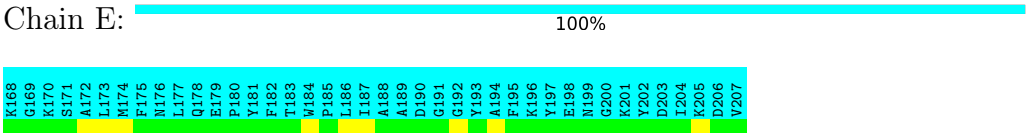
• Molecule 1: Protein-export protein SecB

Chain D:



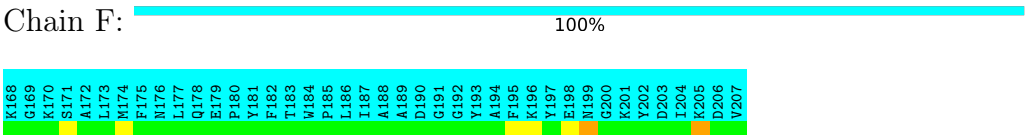
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



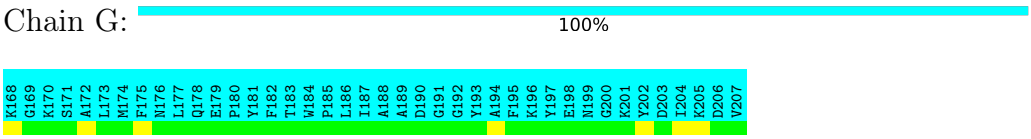
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



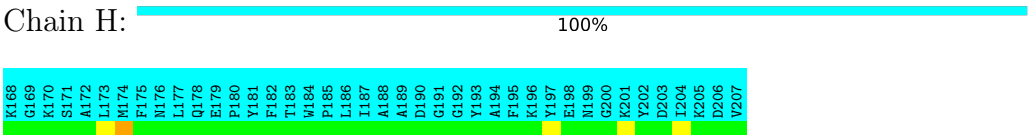
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

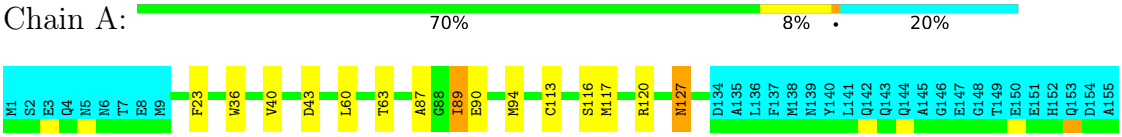
Chain H:



4.2.13 Score per residue for model 13

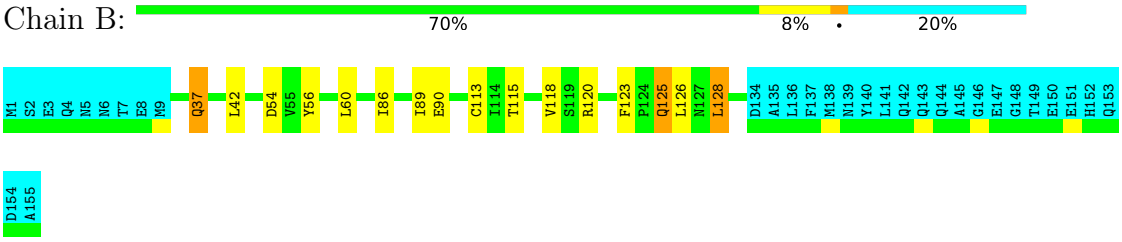
• Molecule 1: Protein-export protein SecB

Chain A:



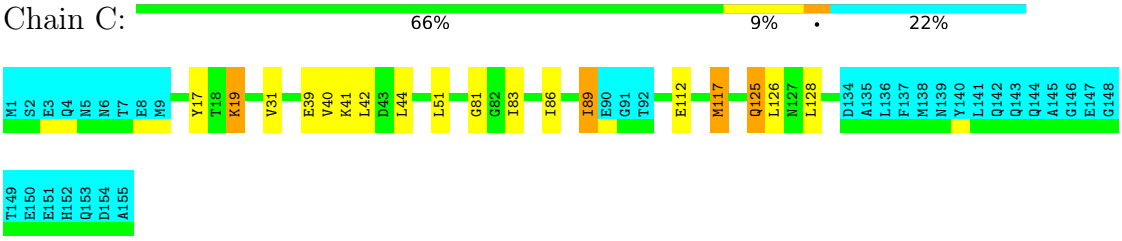
• Molecule 1: Protein-export protein SecB

Chain B:



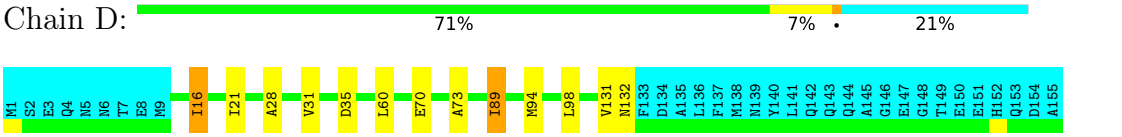
• Molecule 1: Protein-export protein SecB

Chain C:



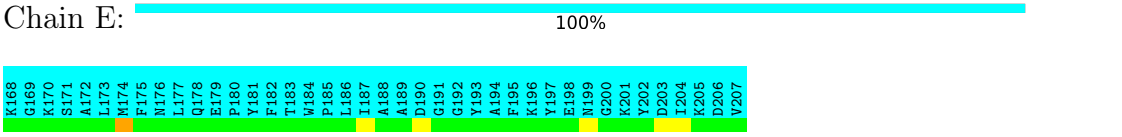
• Molecule 1: Protein-export protein SecB

Chain D:



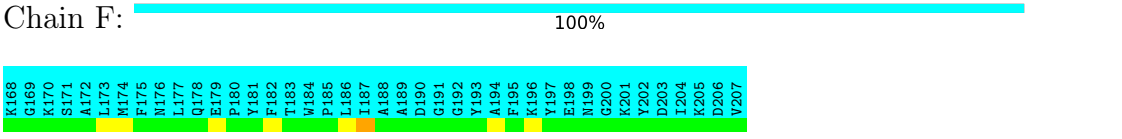
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



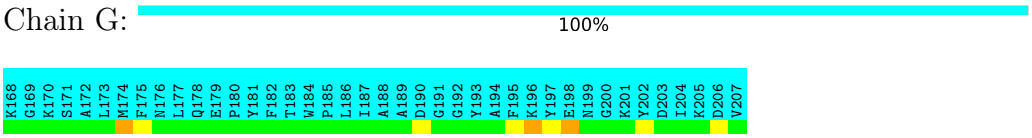
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



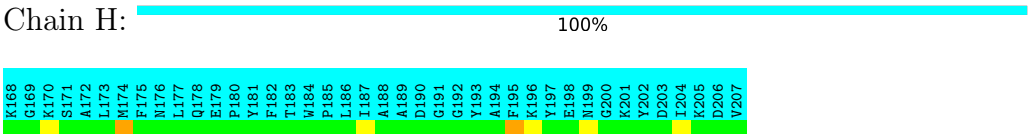
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

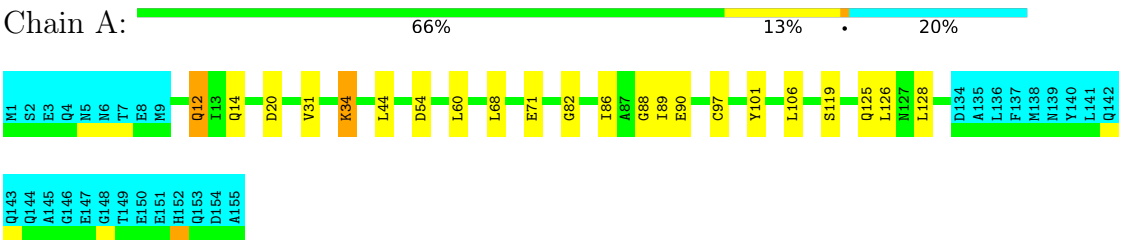
Chain H:



4.2.14 Score per residue for model 14

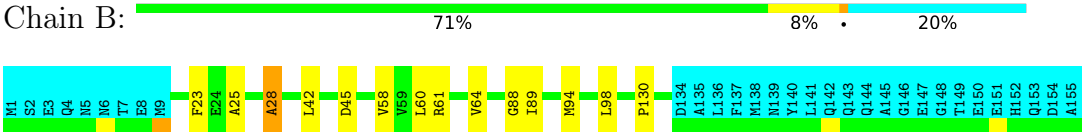
• Molecule 1: Protein-export protein SecB

Chain A:



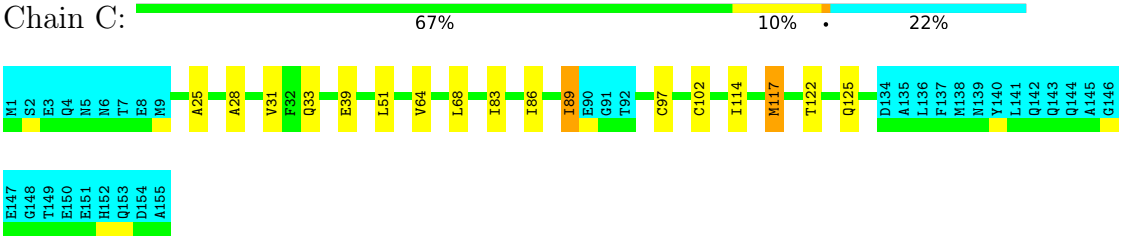
• Molecule 1: Protein-export protein SecB

Chain B:



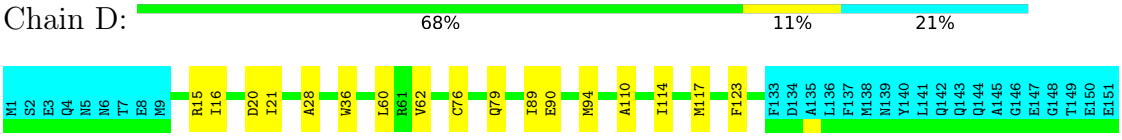
• Molecule 1: Protein-export protein SecB

Chain C:



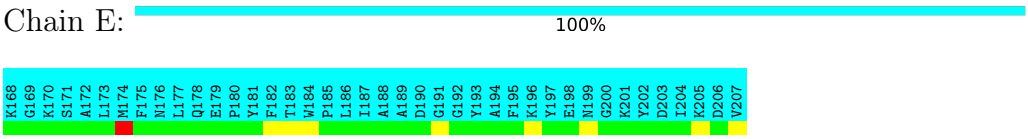
• Molecule 1: Protein-export protein SecB

Chain D:



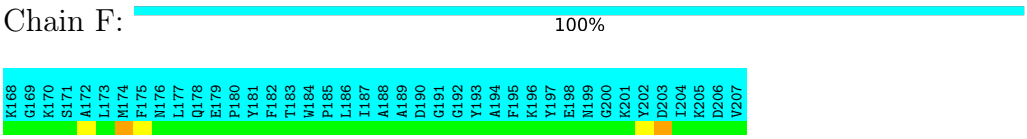
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



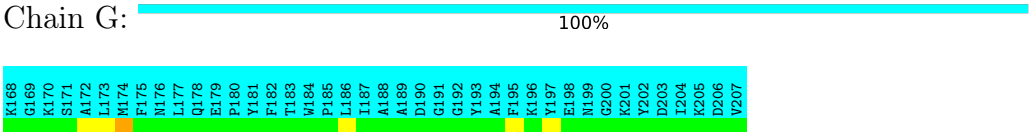
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



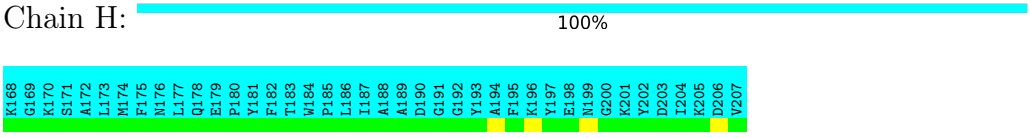
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

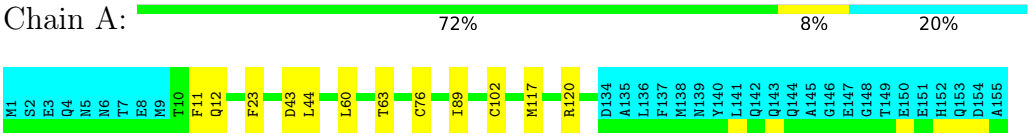
Chain H:



4.2.15 Score per residue for model 15

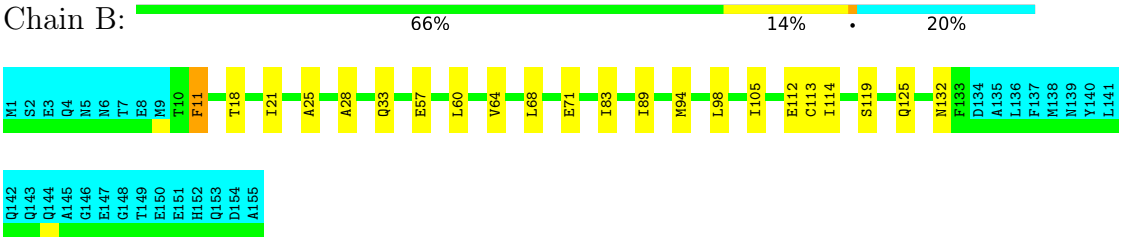
• Molecule 1: Protein-export protein SecB

Chain A:



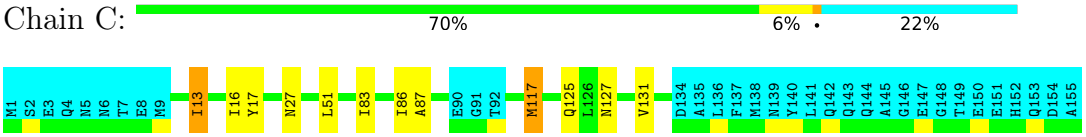
• Molecule 1: Protein-export protein SecB

Chain B:



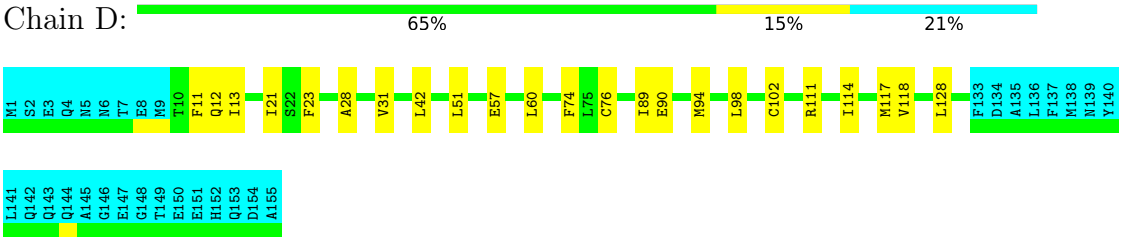
• Molecule 1: Protein-export protein SecB

Chain C:



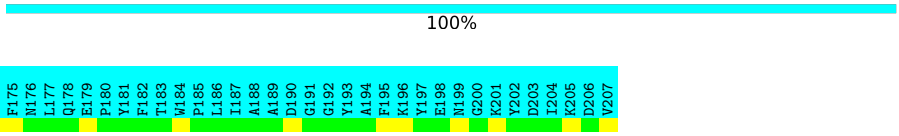
• Molecule 1: Protein-export protein SecB

Chain D:



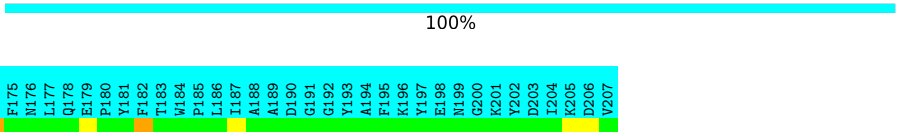
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



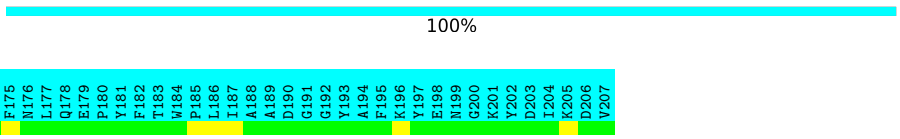
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



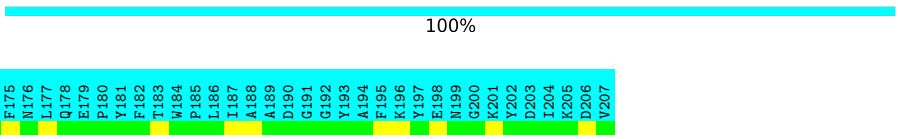
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

Chain H:



4.2.16 Score per residue for model 16

• Molecule 1: Protein-export protein SecB

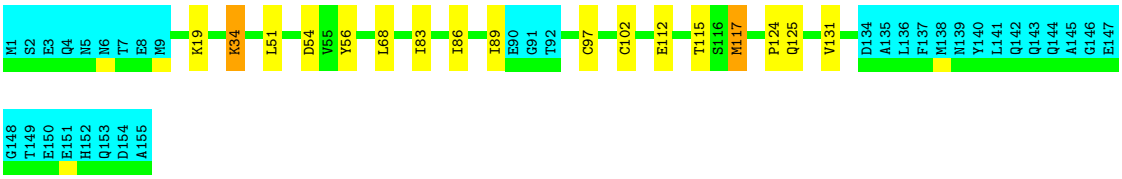
Chain A:

• Molecule 1: Protein-export protein SecB

Chain B:

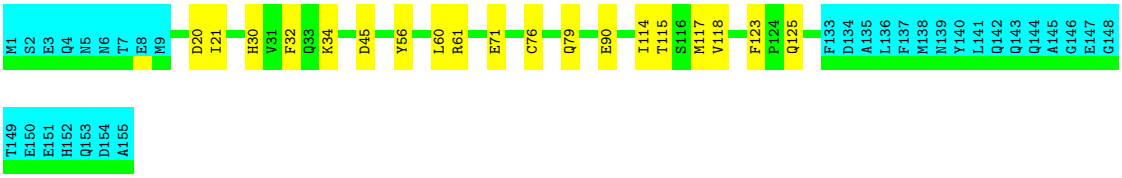
• Molecule 1: Protein-export protein SecB

Chain C:



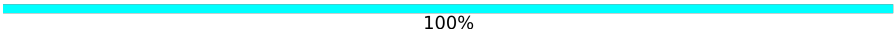
• Molecule 1: Protein-export protein SecB

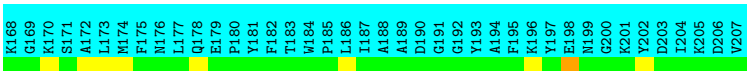
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

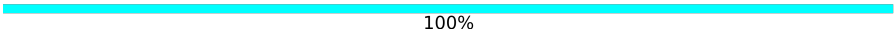
Chain E:

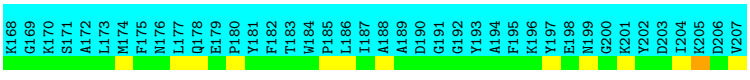




• Molecule 2: Maltose-binding periplasmic protein

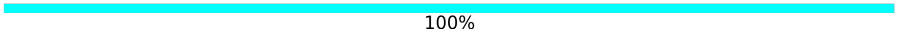
Chain F:

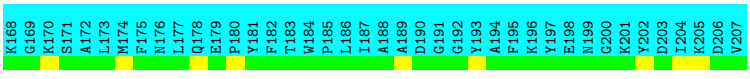




• Molecule 2: Maltose-binding periplasmic protein

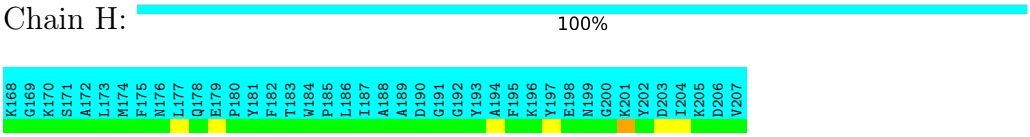
Chain G:





• Molecule 2: Maltose-binding periplasmic protein

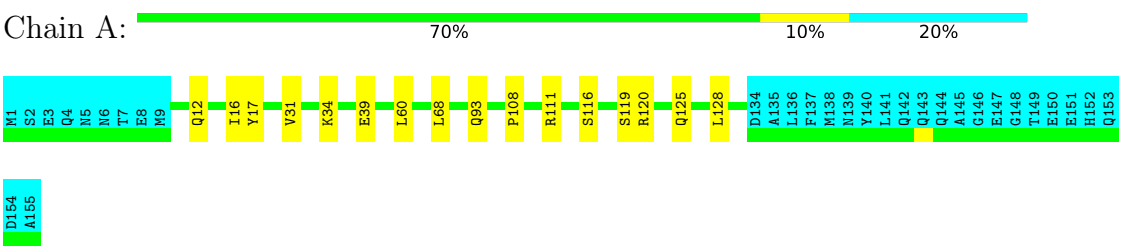
Chain H:



4.2.17 Score per residue for model 17

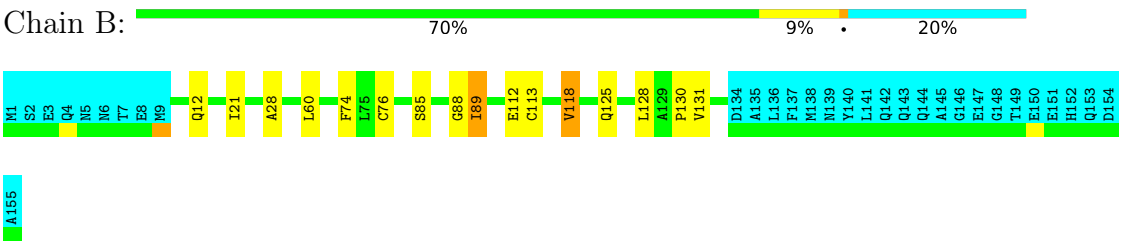
• Molecule 1: Protein-export protein SecB

Chain A:



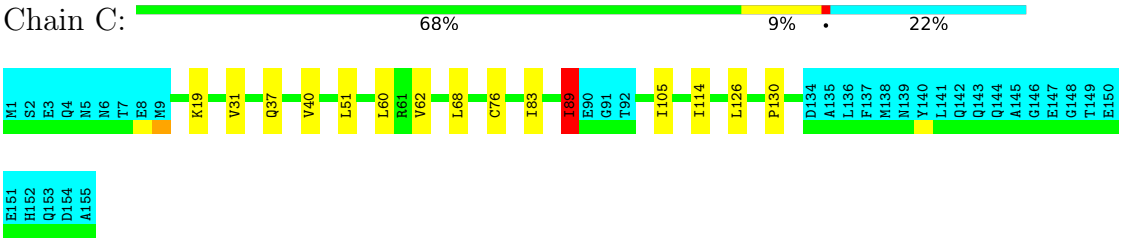
• Molecule 1: Protein-export protein SecB

Chain B:



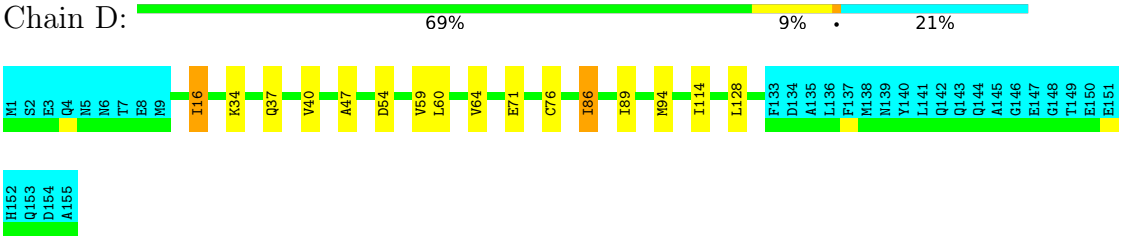
• Molecule 1: Protein-export protein SecB

Chain C:



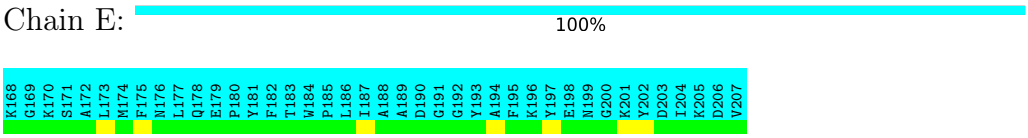
• Molecule 1: Protein-export protein SecB

Chain D:



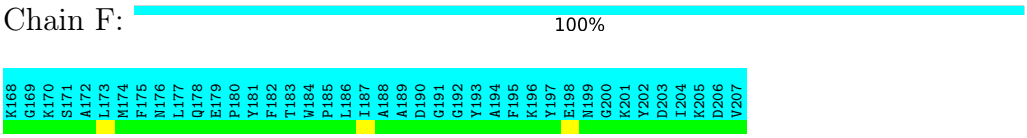
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



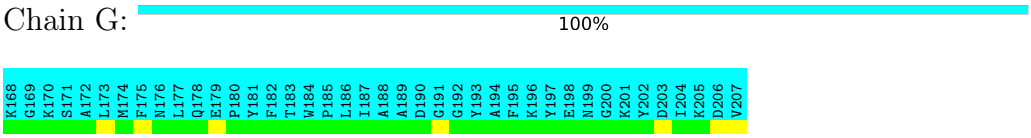
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



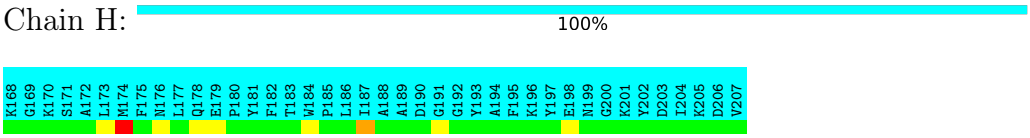
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

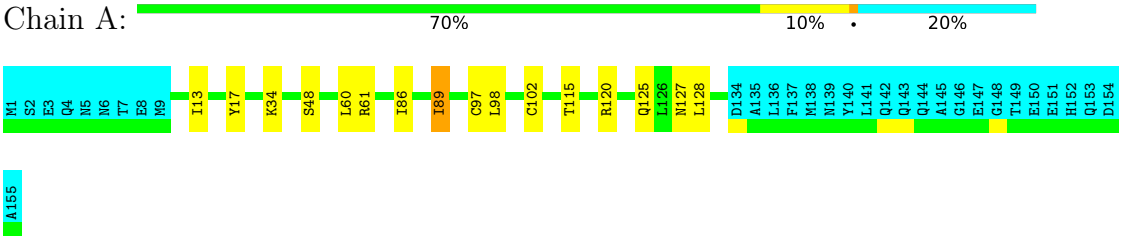
Chain H:



4.2.18 Score per residue for model 18

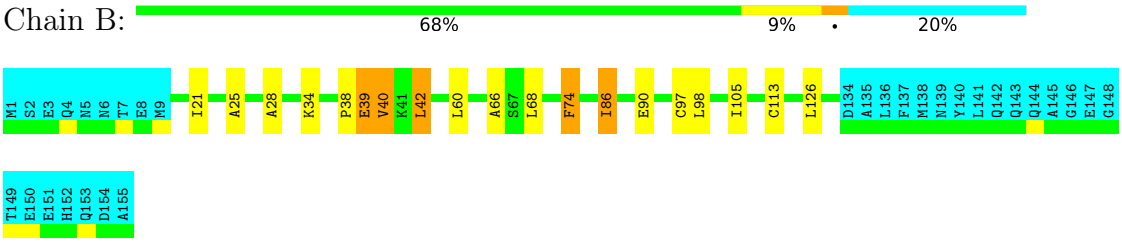
• Molecule 1: Protein-export protein SecB

Chain A:



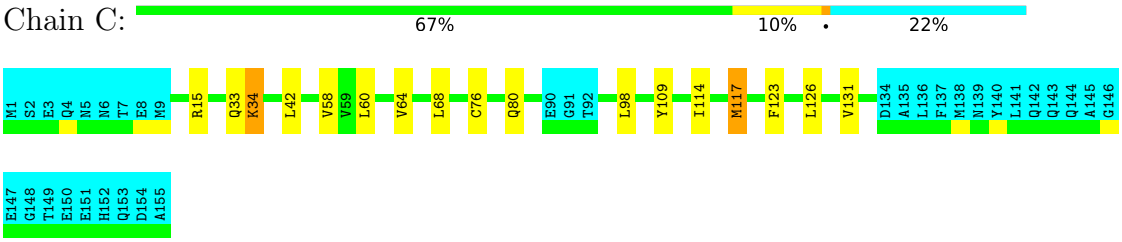
• Molecule 1: Protein-export protein SecB

Chain B:



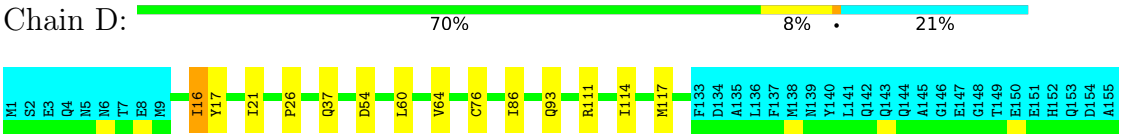
• Molecule 1: Protein-export protein SecB

Chain C:



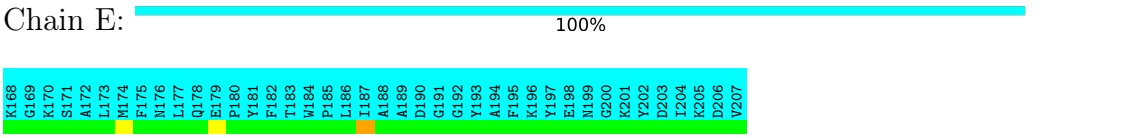
• Molecule 1: Protein-export protein SecB

Chain D:



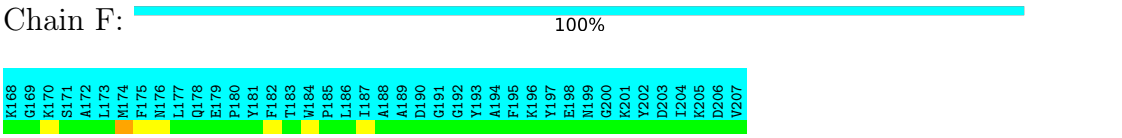
• Molecule 2: Maltose-binding periplasmic protein

Chain E:



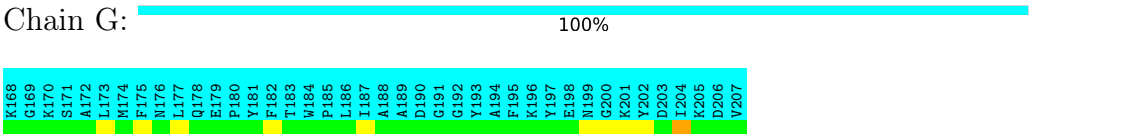
• Molecule 2: Maltose-binding periplasmic protein

Chain F:



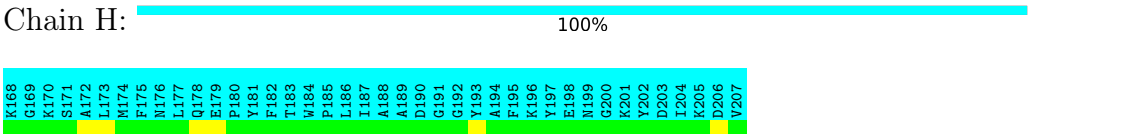
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

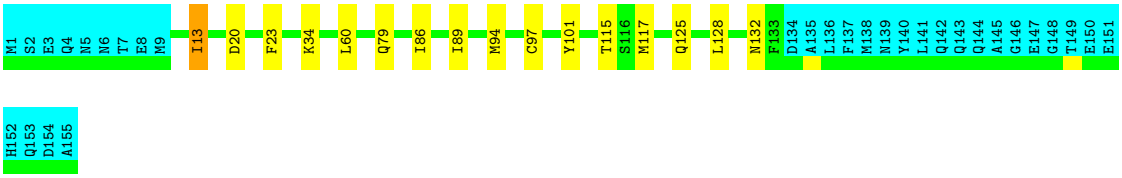
Chain H:



4.2.19 Score per residue for model 19

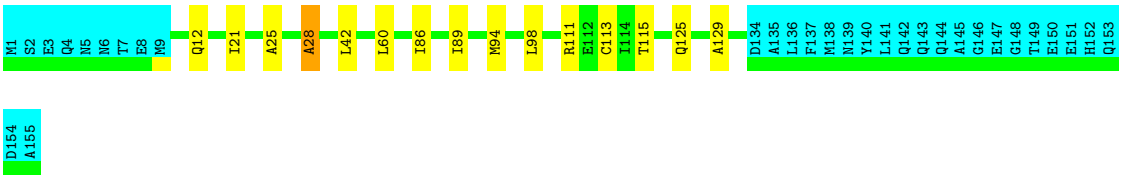
• Molecule 1: Protein-export protein SecB

Chain A:



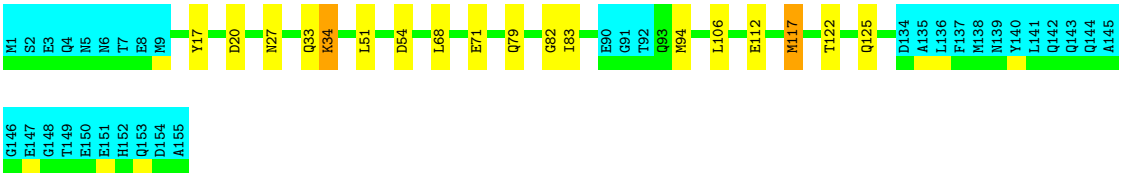
• Molecule 1: Protein-export protein SecB

Chain B:



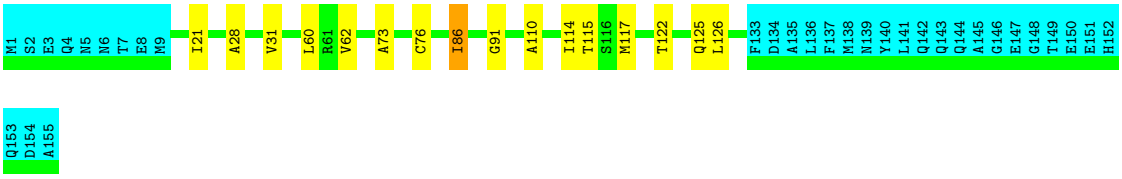
• Molecule 1: Protein-export protein SecB

Chain C:



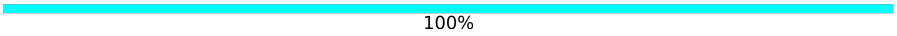
• Molecule 1: Protein-export protein SecB

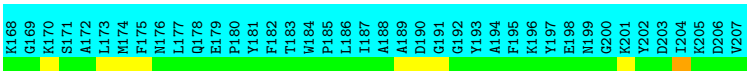
Chain D:



• Molecule 2: Maltose-binding periplasmic protein

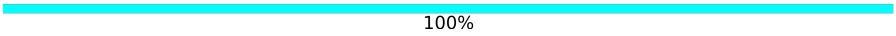
Chain E:

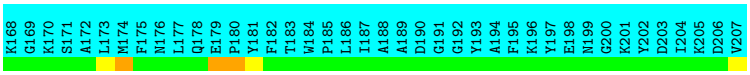




• Molecule 2: Maltose-binding periplasmic protein

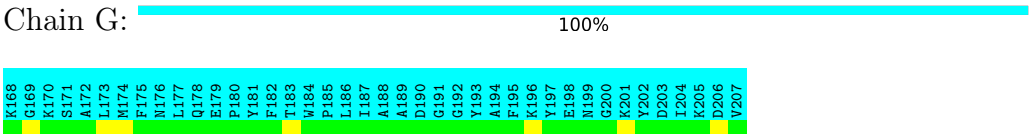
Chain F:





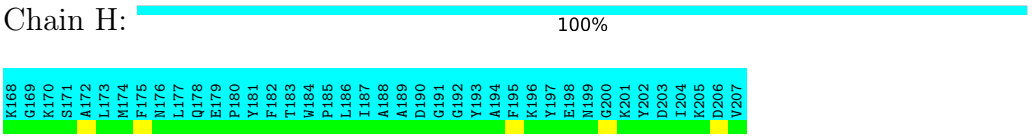
• Molecule 2: Maltose-binding periplasmic protein

Chain G:



• Molecule 2: Maltose-binding periplasmic protein

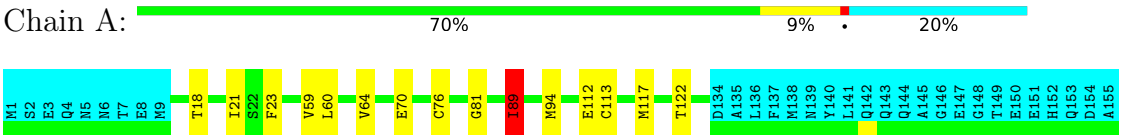
Chain H:



4.2.20 Score per residue for model 20

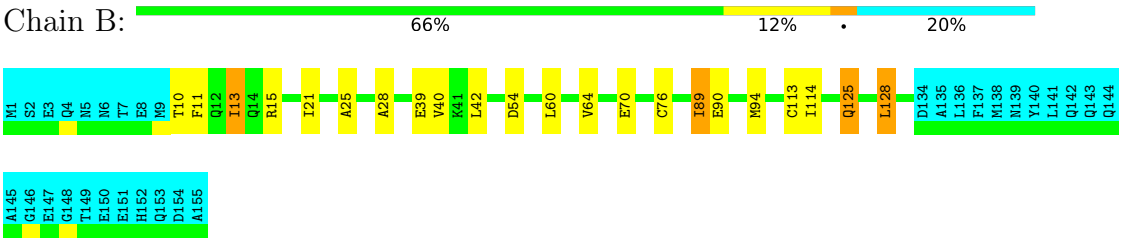
• Molecule 1: Protein-export protein SecB

Chain A:



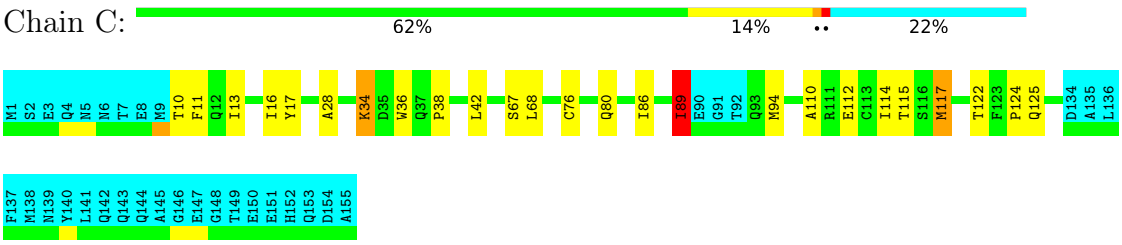
• Molecule 1: Protein-export protein SecB

Chain B:



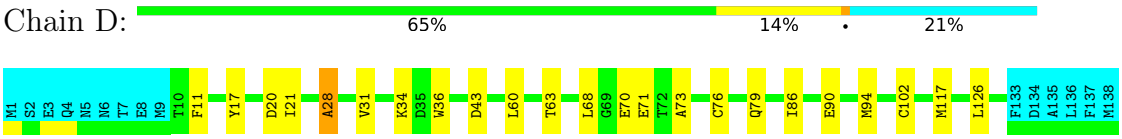
• Molecule 1: Protein-export protein SecB

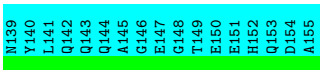
Chain C:



• Molecule 1: Protein-export protein SecB

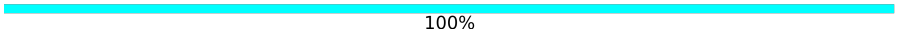
Chain D:

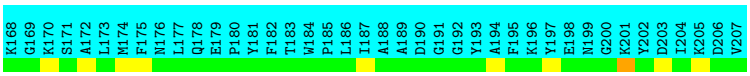




• Molecule 2: Maltose-binding periplasmic protein

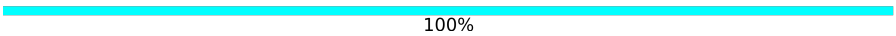
Chain E:

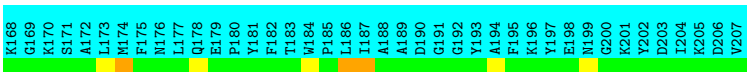




• Molecule 2: Maltose-binding periplasmic protein

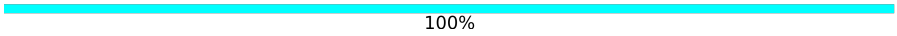
Chain F:

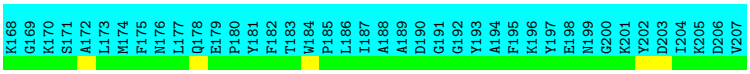




• Molecule 2: Maltose-binding periplasmic protein

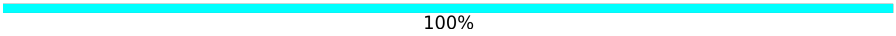
Chain G:

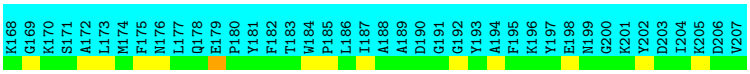




• Molecule 2: Maltose-binding periplasmic protein

Chain H:





5 Refinement protocol and experimental data overview

The models were refined using the following method: *molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *target function*.

The following table shows the software used for structure solution, optimisation and refinement.

Software name	Classification	Version
CNS	refinement	
CYANA	structure calculation	

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	8
Total number of shifts	5196
Number of shifts mapped to atoms	5196
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	14%

6 Model quality (i)

6.1 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 (average) 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	A	1.19±0.03	1±1/988 (0.1± 0.1%)	0.91±0.02	0±0/1348 (0.0± 0.0%)
1	B	1.21±0.03	1±1/988 (0.1± 0.1%)	0.93±0.03	0±0/1348 (0.0± 0.0%)
1	C	1.21±0.02	1±1/968 (0.1± 0.1%)	0.93±0.02	0±0/1321 (0.0± 0.0%)
1	D	1.20±0.02	1±1/976 (0.1± 0.1%)	0.91±0.02	0±0/1332 (0.0± 0.0%)
All	All	1.20	62/78400 (0.1%)	0.92	7/106980 (0.0%)

All unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	89	ILE	CA-CB	6.41	1.60	1.54	20	10
1	A	89	ILE	CA-CB	6.18	1.61	1.54	20	2
1	D	28	ALA	C-N	6.09	1.39	1.33	12	2
1	A	13	ILE	CA-CB	6.01	1.59	1.53	8	5
1	D	13	ILE	CA-CB	6.01	1.59	1.53	5	3
1	B	123	PHE	C-N	5.94	1.39	1.33	13	3
1	C	123	PHE	C-N	5.83	1.40	1.33	10	4
1	D	86	ILE	CA-CB	5.82	1.61	1.54	19	1
1	B	118	VAL	CA-CB	5.75	1.61	1.54	17	1
1	B	28	ALA	C-N	5.73	1.39	1.34	14	5
1	C	37	GLN	C-N	5.55	1.38	1.33	7	2
1	D	131	VAL	CA-CB	5.54	1.59	1.53	13	1
1	D	123	PHE	C-N	5.51	1.39	1.33	10	3
1	C	131	VAL	CA-CB	5.39	1.59	1.53	18	1
1	C	102	CYS	C-N	5.37	1.40	1.33	10	2
1	D	89	ILE	CA-CB	5.31	1.61	1.54	8	1
1	B	39	GLU	CA-CB	5.27	1.59	1.53	18	1
1	D	16	ILE	CA-CB	5.25	1.61	1.54	13	1
1	C	89	ILE	CA-CB	5.20	1.59	1.54	4	4
1	A	28	ALA	C-N	5.18	1.40	1.34	12	2
1	A	86	ILE	CA-CB	5.17	1.61	1.54	2	1
1	B	40	VAL	CA-CB	5.17	1.60	1.54	18	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	D	28	ALA	CA-C	5.07	1.59	1.52	20	2
1	C	31	VAL	CA-C	5.06	1.58	1.52	13	1
1	A	107	PHE	C-N	5.04	1.40	1.33	12	1
1	D	102	CYS	C-N	5.04	1.40	1.33	5	1
1	B	13	ILE	CA-CB	5.02	1.59	1.54	20	1

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	11	PHE	CA-CB-CG	7.81	121.61	113.80	15	1
1	C	11	PHE	CA-CB-CG	6.94	120.74	113.80	2	1
1	D	30	HIS	CA-CB-CG	5.23	119.03	113.80	10	4
1	A	127	ASN	CA-CB-CG	5.05	117.65	112.60	13	1

There are no chirality outliers.

There are no planarity outliers.

6.2 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 each 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 averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	965	942	940	6±2
1	B	965	942	940	6±3
1	C	945	926	924	8±3
1	D	954	933	931	7±3
2	E	0	0	0	0±0
2	F	0	0	0	0±0
2	G	0	0	0	0±0
2	H	0	0	0	0±0
All	All	76580	74860	74700	468

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 3.

All unique clashes are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:16:ILE:HB	1:C:130:PRO:HG2	0.66	1.67	7	4
1:C:117:MET:HE3	1:D:21:ILE:HD13	0.65	1.66	11	17
1:B:25:ALA:HB1	1:B:28:ALA:HB2	0.65	1.66	3	5
1:D:98:LEU:HA	1:D:102:CYS:SG	0.65	2.32	15	4
1:C:94:MET:SD	1:C:98:LEU:HD21	0.64	2.32	7	1
1:C:34:LYS:HG2	1:C:68:LEU:HD13	0.64	1.68	5	9
1:A:16:ILE:HB	1:C:130:PRO:HG3	0.64	1.68	2	1
1:B:25:ALA:CB	1:B:28:ALA:HB2	0.62	2.24	3	11
1:B:40:VAL:HG12	1:B:126:LEU:HD22	0.62	1.71	11	1
1:C:117:MET:HE2	1:D:21:ILE:HG21	0.62	1.71	10	2
1:D:94:MET:SD	1:D:98:LEU:HD23	0.62	2.34	7	1
1:A:23:PHE:HB2	1:A:117:MET:SD	0.61	2.35	16	8
1:B:66:ALA:HB3	1:B:74:PHE:HE2	0.61	1.53	18	1
1:A:97:CYS:SG	1:A:102:CYS:SG	0.60	2.98	12	4
1:C:31:VAL:HA	1:C:34:LYS:HE2	0.60	1.70	7	1
1:D:76:CYS:SG	1:D:114:ILE:HG23	0.60	2.37	18	7
1:B:118:VAL:HB	1:B:125:GLN:HG3	0.60	1.74	13	1
1:C:58:VAL:HG21	1:C:98:LEU:HB2	0.59	1.74	18	1
1:D:64:VAL:HG21	1:D:114:ILE:HG21	0.59	1.74	18	1
1:B:76:CYS:SG	1:B:114:ILE:HG23	0.58	2.38	20	1
1:C:64:VAL:HG11	1:C:126:LEU:HG	0.58	1.75	3	2
1:C:27:ASN:HA	1:C:30:HIS:HB3	0.58	1.74	4	1
1:D:43:ASP:HB2	1:D:63:THR:HB	0.58	1.75	1	3
1:C:64:VAL:HG21	1:C:114:ILE:HG21	0.58	1.75	8	10
1:B:86:ILE:HD12	1:B:97:CYS:SG	0.58	2.39	7	1
1:B:125:GLN:HB2	1:C:125:GLN:HG2	0.57	1.76	13	1
1:A:17:TYR:HE2	1:B:28:ALA:HB1	0.57	1.57	8	4
1:C:38:PRO:HG2	1:C:124:PRO:HG3	0.56	1.78	4	1
1:D:76:CYS:SG	1:D:117:MET:HE3	0.55	2.41	18	10
1:B:58:VAL:HG11	1:B:98:LEU:HB2	0.55	1.79	7	1
1:B:119:SER:HB2	1:C:127:ASN:HB3	0.55	1.77	15	1
1:B:25:ALA:HB3	1:B:28:ALA:HB2	0.55	1.79	4	2
1:D:20:ASP:HB3	1:D:79:GLN:HB2	0.55	1.78	10	10
1:C:68:LEU:HD12	1:C:71:GLU:HG3	0.54	1.79	1	1
1:D:25:ALA:HB1	1:D:28:ALA:HB2	0.54	1.79	6	4
1:B:64:VAL:HG21	1:B:114:ILE:HG21	0.54	1.79	2	8
1:C:11:PHE:HA	1:C:86:ILE:HG22	0.54	1.79	20	1
1:C:40:VAL:HB	1:C:126:LEU:HD13	0.53	1.81	17	1
1:A:43:ASP:HB2	1:A:63:THR:HB	0.53	1.79	13	6
1:C:34:LYS:HE2	1:C:71:GLU:HG2	0.53	1.81	19	1
1:C:17:TYR:HE2	1:D:28:ALA:HB1	0.52	1.63	20	5
1:B:97:CYS:SG	1:B:102:CYS:SG	0.52	3.07	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:113:CYS:SG	1:B:120:ARG:HD3	0.52	2.45	10	6
1:C:34:LYS:HZ3	1:C:34:LYS:HB2	0.52	1.64	19	1
1:A:89:ILE:HD13	1:A:94:MET:SD	0.52	2.44	20	1
1:B:42:LEU:HD22	1:B:126:LEU:HD11	0.52	1.80	16	1
1:B:45:ASP:HB2	1:B:61:ARG:HB3	0.52	1.82	14	1
1:D:31:VAL:HG21	1:D:73:ALA:HA	0.52	1.81	2	4
1:C:122:THR:HG23	1:D:17:TYR:HB3	0.51	1.82	20	3
1:D:42:LEU:HD21	1:D:128:LEU:HD22	0.51	1.82	2	2
1:B:86:ILE:HG13	1:B:97:CYS:SG	0.51	2.46	18	1
1:C:42:LEU:HD11	1:C:128:LEU:HD12	0.51	1.81	13	1
1:C:45:ASP:HB2	1:C:61:ARG:HB3	0.51	1.82	9	3
1:D:40:VAL:HG13	1:D:64:VAL:HG13	0.50	1.83	7	4
1:A:31:VAL:HG23	1:A:68:LEU:HD11	0.50	1.82	8	3
1:A:31:VAL:HA	1:A:34:LYS:HB2	0.50	1.83	12	1
1:A:105:ILE:HD12	1:C:132:ASN:HD21	0.50	1.66	6	1
1:D:62:VAL:HG21	1:D:110:ALA:HB1	0.50	1.84	14	3
1:B:40:VAL:HG11	1:B:125:GLN:HA	0.50	1.82	20	1
1:C:51:LEU:HD11	1:C:83:ILE:HD12	0.50	1.83	8	13
1:C:76:CYS:SG	1:C:114:ILE:HG23	0.50	2.47	17	9
1:A:120:ARG:HD3	1:B:113:CYS:SG	0.50	2.47	15	5
1:D:89:ILE:HD13	1:D:94:MET:SD	0.50	2.47	14	1
1:C:31:VAL:HG13	1:C:68:LEU:HD11	0.50	1.83	17	1
1:C:44:LEU:HG	1:C:60:LEU:HD21	0.49	1.84	8	2
1:A:64:VAL:HB	1:A:76:CYS:HB2	0.49	1.84	20	2
1:C:97:CYS:SG	1:C:102:CYS:SG	0.49	3.02	16	2
1:C:20:ASP:HB3	1:C:79:GLN:HB2	0.49	1.84	2	4
1:D:31:VAL:HG11	1:D:73:ALA:HA	0.49	1.84	12	1
1:D:34:LYS:NZ	1:D:71:GLU:HB3	0.49	2.22	17	2
1:C:89:ILE:HG12	1:C:94:MET:HG2	0.49	1.84	20	1
1:C:40:VAL:HG11	1:C:126:LEU:HG	0.49	1.84	13	1
1:A:97:CYS:HA	1:A:101:TYR:HB3	0.49	1.83	19	2
1:D:76:CYS:SG	1:D:114:ILE:HG12	0.49	2.47	15	5
1:B:42:LEU:HD21	1:B:128:LEU:HD23	0.49	1.85	2	1
1:C:115:THR:HG23	1:C:125:GLN:HB2	0.49	1.83	3	2
1:A:23:PHE:HD1	1:A:76:CYS:HG	0.49	1.50	1	1
1:C:43:ASP:HB2	1:C:63:THR:HB	0.49	1.85	9	1
1:B:125:GLN:HB3	1:C:125:GLN:HG3	0.49	1.85	11	1
1:A:34:LYS:HG3	1:A:71:GLU:HG2	0.49	1.83	14	2
1:A:119:SER:HB3	1:A:125:GLN:HB3	0.48	1.83	4	3
1:B:86:ILE:HG21	1:B:97:CYS:SG	0.48	2.48	5	1
1:C:89:ILE:HD12	1:C:94:MET:HA	0.48	1.85	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:115:THR:HG23	1:A:125:GLN:HB2	0.48	1.85	19	3
1:B:21:ILE:CD1	1:B:113:CYS:SG	0.48	3.01	20	4
1:C:98:LEU:HA	1:C:102:CYS:SG	0.48	2.48	8	2
1:D:36:TRP:HB2	1:D:68:LEU:HD22	0.48	1.85	20	2
1:B:115:THR:HA	1:B:125:GLN:HG3	0.48	1.85	6	2
1:D:51:LEU:HD11	1:D:57:GLU:HB2	0.48	1.85	15	2
1:B:66:ALA:HB3	1:B:74:PHE:CE2	0.48	2.40	18	1
1:D:118:VAL:HG13	1:D:123:PHE:HB2	0.48	1.86	16	1
1:A:48:SER:HB2	1:A:98:LEU:HD11	0.48	1.86	18	1
1:D:34:LYS:HZ2	1:D:71:GLU:HB3	0.48	1.69	20	1
1:C:51:LEU:HD11	1:C:57:GLU:HB2	0.48	1.86	5	2
1:B:20:ASP:HB3	1:B:79:GLN:HB2	0.48	1.85	16	2
1:B:13:ILE:HD11	1:B:16:ILE:HG13	0.47	1.84	2	1
1:B:94:MET:HE2	1:B:98:LEU:HD22	0.47	1.86	9	1
1:A:82:GLY:HA3	1:A:106:LEU:HD21	0.47	1.84	14	1
1:B:105:ILE:HG23	1:D:111:ARG:NH2	0.47	2.24	18	2
1:A:20:ASP:HB3	1:A:79:GLN:HB2	0.47	1.87	3	4
1:D:94:MET:SD	1:D:95:ALA:N	0.47	2.87	12	1
1:B:115:THR:HA	1:B:125:GLN:HG2	0.47	1.85	13	1
1:D:74:PHE:CZ	1:D:118:VAL:HG22	0.47	2.44	15	1
1:D:13:ILE:HG12	1:D:16:ILE:HD11	0.47	1.86	2	1
1:B:94:MET:HE2	1:B:98:LEU:HD21	0.47	1.86	14	1
1:D:89:ILE:HD12	1:D:94:MET:HG2	0.47	1.85	5	1
1:B:125:GLN:HA	1:C:125:GLN:HG2	0.47	1.87	15	1
1:B:132:ASN:H	1:D:13:ILE:HG21	0.47	1.69	15	1
1:B:18:THR:HG21	1:B:21:ILE:HD11	0.47	1.85	15	2
1:C:13:ILE:HD11	1:C:16:ILE:HG13	0.47	1.86	15	3
1:B:111:ARG:HH22	1:C:122:THR:HG22	0.47	1.68	19	1
1:B:130:PRO:HB2	1:D:16:ILE:HD13	0.47	1.85	2	1
1:A:42:LEU:HD21	1:A:128:LEU:HD22	0.47	1.87	9	1
1:C:115:THR:HG23	1:C:125:GLN:HB3	0.47	1.85	20	1
1:A:111:ARG:NH1	1:C:105:ILE:HG23	0.47	2.25	2	2
1:D:16:ILE:HD12	1:D:16:ILE:N	0.47	2.25	18	2
1:A:51:LEU:HD11	1:A:57:GLU:HB2	0.46	1.86	2	1
1:A:47:ALA:HB3	1:A:59:VAL:HB	0.46	1.86	4	1
1:A:40:VAL:HG23	1:A:64:VAL:HG13	0.46	1.87	4	1
1:B:130:PRO:HG3	1:D:16:ILE:HD11	0.46	1.87	17	1
1:A:18:THR:HG21	1:A:113:CYS:SG	0.46	2.50	20	1
1:B:21:ILE:HD11	1:B:113:CYS:SG	0.46	2.51	1	4
1:C:11:PHE:CE1	1:C:102:CYS:SG	0.46	3.04	2	1
1:A:40:VAL:HG21	1:A:128:LEU:HD21	0.46	1.86	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:89:ILE:HD13	1:D:94:MET:HG2	0.46	1.88	10	1
1:A:64:VAL:HG21	1:A:114:ILE:HG21	0.46	1.88	1	2
1:A:27:ASN:HB3	1:A:30:HIS:HB2	0.46	1.88	6	1
1:B:38:PRO:HB2	1:B:66:ALA:HB1	0.45	1.87	18	1
1:B:68:LEU:HG	1:B:73:ALA:HB2	0.45	1.87	1	2
1:B:119:SER:HB3	1:C:125:GLN:NE2	0.45	2.26	5	1
1:B:42:LEU:HD11	1:B:128:LEU:HB2	0.45	1.87	11	1
1:D:11:PHE:CZ	1:D:102:CYS:SG	0.45	3.09	15	1
1:D:23:PHE:HB2	1:D:117:MET:SD	0.45	2.51	15	1
1:C:34:LYS:HE3	1:C:68:LEU:CD1	0.45	2.42	1	1
1:B:42:LEU:HB3	1:B:64:VAL:HG22	0.45	1.89	14	1
1:C:89:ILE:H	1:C:89:ILE:HD13	0.45	1.72	2	1
1:C:89:ILE:HG12	1:C:94:MET:HB3	0.45	1.87	3	1
1:D:94:MET:HG3	1:D:98:LEU:HD23	0.45	1.87	13	1
1:C:118:VAL:HG21	1:C:126:LEU:HB2	0.45	1.86	4	1
1:D:31:VAL:HG13	1:D:68:LEU:HD12	0.45	1.87	20	2
1:D:115:THR:HG23	1:D:125:GLN:HG3	0.45	1.88	19	2
1:C:89:ILE:HD13	1:C:94:MET:HE2	0.45	1.88	10	1
1:A:21:ILE:CG2	1:A:117:MET:SD	0.44	3.05	20	2
1:A:59:VAL:HA	1:A:81:GLY:HA2	0.44	1.90	2	4
1:D:37:GLN:HE21	1:D:38:PRO:HD2	0.44	1.72	8	1
1:A:12:GLN:HE21	1:A:12:GLN:HA	0.44	1.71	14	1
1:D:89:ILE:HD13	1:D:94:MET:HA	0.44	1.89	17	1
1:B:90:GLU:H	1:B:93:GLN:HB2	0.44	1.73	5	1
1:A:86:ILE:HG13	1:A:97:CYS:SG	0.44	2.51	8	1
1:B:130:PRO:HB2	1:D:16:ILE:HB	0.44	1.89	14	1
1:C:17:TYR:HB3	1:D:122:THR:HG23	0.44	1.89	19	1
1:C:34:LYS:HE2	1:C:73:ALA:HA	0.44	1.87	1	1
1:C:68:LEU:HG	1:C:73:ALA:HB2	0.44	1.90	5	1
1:A:17:TYR:CE2	1:B:28:ALA:HB1	0.44	2.44	8	2
1:C:60:LEU:HD21	1:C:103:PRO:HB3	0.44	1.89	6	1
1:C:11:PHE:CD1	1:C:97:CYS:SG	0.44	3.11	8	1
1:B:22:SER:HB3	1:B:77:GLU:HB3	0.44	1.90	10	1
1:C:40:VAL:HB	1:C:126:LEU:HD11	0.44	1.89	12	2
1:B:42:LEU:HB3	1:B:126:LEU:HD11	0.44	1.90	2	1
1:A:31:VAL:HG11	1:A:73:ALA:HA	0.44	1.88	11	1
1:B:42:LEU:H	1:B:42:LEU:HD13	0.44	1.73	18	1
1:B:86:ILE:HB	1:B:89:ILE:HD11	0.44	1.90	1	1
1:C:28:ALA:HB3	1:C:29:PRO:HD3	0.44	1.89	10	1
1:A:52:ALA:HB3	1:A:55:VAL:HB	0.43	1.89	2	2
1:C:94:MET:SD	1:C:98:LEU:HB2	0.43	2.52	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:125:GLN:H	1:C:125:GLN:HG2	0.43	1.73	10	1
1:A:36:TRP:CE3	1:A:68:LEU:HD21	0.43	2.49	11	1
1:B:123:PHE:HB3	1:B:124:PRO:HD2	0.43	1.90	2	1
1:A:17:TYR:HB3	1:B:122:THR:HG23	0.43	1.88	3	1
1:D:45:ASP:HB3	1:D:61:ARG:HB3	0.43	1.91	3	2
1:A:40:VAL:HA	1:A:65:THR:O	0.43	2.13	6	1
1:A:16:ILE:HD12	1:C:130:PRO:HG3	0.43	1.90	11	1
1:B:42:LEU:HB3	1:B:126:LEU:HD21	0.43	1.89	11	1
1:C:25:ALA:HB1	1:C:28:ALA:HB2	0.43	1.90	14	1
1:C:31:VAL:HG23	1:C:68:LEU:HD11	0.43	1.90	14	2
1:C:19:LYS:HD3	1:C:81:GLY:HA3	0.43	1.90	13	1
1:B:98:LEU:HA	1:B:102:CYS:SG	0.42	2.54	6	1
1:B:128:LEU:HD23	1:B:129:ALA:H	0.42	1.74	10	1
1:B:129:ALA:HB1	1:B:131:VAL:HG23	0.42	1.90	10	1
1:B:113:CYS:O	1:B:117:MET:HG2	0.42	2.14	1	1
1:D:94:MET:SD	1:D:94:MET:C	0.42	3.02	5	1
1:B:125:GLN:NE2	1:C:124:PRO:HA	0.42	2.29	8	1
1:D:89:ILE:HG12	1:D:94:MET:HB2	0.42	1.92	13	1
1:B:12:GLN:HB3	1:B:85:SER:HB2	0.42	1.91	17	1
1:A:116:SER:O	1:A:120:ARG:HB2	0.42	2.14	6	3
1:C:115:THR:HG22	1:C:125:GLN:NE2	0.42	2.30	6	1
1:B:57:GLU:HG2	1:B:83:ILE:HG12	0.42	1.91	15	1
1:B:34:LYS:HB3	1:B:68:LEU:HB3	0.42	1.91	18	1
1:A:43:ASP:HB3	1:A:63:THR:HB	0.42	1.91	8	1
1:A:23:PHE:HD1	1:A:76:CYS:SG	0.42	2.36	15	1
1:C:101:TYR:CE1	1:C:105:ILE:HG13	0.42	2.49	8	1
1:D:42:LEU:HA	1:D:63:THR:O	0.42	2.15	8	1
1:A:13:ILE:HD11	1:A:16:ILE:HG13	0.42	1.89	12	1
1:D:86:ILE:HD11	1:D:89:ILE:HD11	0.42	1.91	17	1
1:B:89:ILE:HB	1:B:93:GLN:HB2	0.42	1.91	4	1
1:D:34:LYS:NZ	1:D:71:GLU:HB2	0.42	2.29	16	1
1:D:11:PHE:HE2	1:D:102:CYS:HG	0.42	1.57	4	1
1:C:17:TYR:CE2	1:D:28:ALA:HB1	0.42	2.50	13	1
1:B:37:GLN:HB2	1:B:124:PRO:HG3	0.42	1.91	16	1
1:C:42:LEU:HB3	1:C:64:VAL:HG22	0.42	1.90	10	1
1:D:47:ALA:HB3	1:D:59:VAL:HB	0.42	1.89	17	1
1:A:12:GLN:HB3	1:A:85:SER:HB2	0.42	1.91	4	1
1:C:62:VAL:HB	1:C:114:ILE:HD11	0.42	1.90	17	1
1:C:28:ALA:HB1	1:D:17:TYR:HE2	0.42	1.75	20	1
1:B:12:GLN:HE21	1:B:12:GLN:HA	0.42	1.75	1	1
1:B:56:TYR:HE2	1:B:94:MET:HE1	0.42	1.75	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:122:THR:HB	1:D:15:ARG:HH21	0.42	1.75	14	1
1:C:40:VAL:HG11	1:C:124:PRO:HG2	0.41	1.91	8	1
1:A:108:PRO:HA	1:A:111:ARG:NH1	0.41	2.30	17	1
1:C:40:VAL:HG11	1:C:128:LEU:HD21	0.41	1.91	2	1
1:B:68:LEU:O	1:B:71:GLU:HB2	0.41	2.16	15	1
1:D:114:ILE:O	1:D:118:VAL:HG23	0.41	2.14	15	1
1:C:38:PRO:HA	1:C:67:SER:O	0.41	2.14	20	1
1:C:80:GLN:HB2	1:C:110:ALA:HB2	0.41	1.92	20	2
1:A:23:PHE:HB3	1:B:21:ILE:HB	0.41	1.92	15	1
1:A:23:PHE:CD1	1:A:76:CYS:SG	0.41	3.14	15	1
1:B:54:ASP:HB3	1:B:86:ILE:O	0.41	2.16	2	1
1:B:13:ILE:HG13	1:D:130:PRO:HD3	0.41	1.92	4	1
1:A:11:PHE:CE2	1:A:102:CYS:SG	0.41	3.13	15	1
1:D:74:PHE:CE2	1:D:118:VAL:HG22	0.41	2.50	15	1
1:B:39:GLU:O	1:B:66:ALA:HA	0.41	2.16	1	1
1:D:111:ARG:HD3	1:D:128:LEU:O	0.41	2.15	11	1
1:A:20:ASP:HA	1:B:23:PHE:O	0.41	2.15	14	1
1:A:86:ILE:HD11	1:A:94:MET:HB2	0.41	1.93	19	1
1:C:123:PHE:HB3	1:C:124:PRO:HD2	0.41	1.92	8	1
1:C:31:VAL:HG21	1:C:73:ALA:HA	0.41	1.91	11	1
1:B:58:VAL:HG21	1:B:98:LEU:HB2	0.41	1.92	14	1
1:B:113:CYS:O	1:B:117:MET:SD	0.41	2.79	4	1
1:A:23:PHE:O	1:B:20:ASP:HA	0.41	2.16	7	1
1:B:117:MET:SD	1:B:117:MET:N	0.41	2.94	4	1
1:C:21:ILE:HB	1:D:23:PHE:HB3	0.41	1.92	8	1
1:C:89:ILE:HD13	1:C:89:ILE:H	0.41	1.76	8	1
1:B:125:GLN:HB3	1:C:125:GLN:NE2	0.41	2.31	10	1
1:A:86:ILE:HG21	1:A:98:LEU:HD21	0.41	1.92	11	1
1:A:23:PHE:HB2	1:A:117:MET:HE3	0.41	1.92	15	1
1:C:80:GLN:NE2	1:C:109:TYR:HB3	0.41	2.31	18	1
1:D:43:ASP:HB3	1:D:63:THR:HB	0.41	1.92	20	1
1:A:111:ARG:HH12	1:C:105:ILE:HD12	0.41	1.76	5	1
1:A:115:THR:HG23	1:A:125:GLN:HG3	0.41	1.92	6	1
1:D:11:PHE:HA	1:D:85:SER:O	0.41	2.16	12	2
1:D:68:LEU:HG	1:D:73:ALA:HB2	0.41	1.93	20	1
1:C:23:PHE:HB3	1:D:21:ILE:HD12	0.40	1.94	3	1
1:B:62:VAL:HB	1:B:114:ILE:HD11	0.40	1.93	6	1
1:A:89:ILE:H	1:A:89:ILE:HD13	0.40	1.76	13	1
1:B:74:PHE:CE2	1:B:76:CYS:HB3	0.40	2.51	17	1
1:A:122:THR:HB	1:B:15:ARG:NH2	0.40	2.31	20	1
1:A:127:ASN:ND2	1:C:15:ARG:HA	0.40	2.32	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:11:PHE:CE2	1:D:102:CYS:SG	0.40	3.12	20	1
1:B:42:LEU:HG	1:B:128:LEU:HG	0.40	1.93	3	1
1:A:115:THR:CG2	1:A:125:GLN:HB2	0.40	2.47	8	1
1:B:130:PRO:HG2	1:D:16:ILE:O	0.40	2.16	14	1
1:C:82:GLY:HA3	1:C:106:LEU:HD21	0.40	1.93	19	1
1:C:30:HIS:CD2	1:C:34:LYS:HD3	0.40	2.52	7	1
1:A:94:MET:HE2	1:A:98:LEU:HD11	0.40	1.92	11	1

6.3 Torsion angles (i)

6.3.1 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 NMR 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	A	124/155 (80%)	117±2 (94±2%)	7±2 (6±2%)	0±0 (0±0%)	100	100
1	B	124/155 (80%)	116±2 (93±2%)	8±2 (6±2%)	0±0 (0±0%)	44	80
1	C	121/155 (78%)	111±2 (92±2%)	10±2 (8±2%)	0±1 (0±0%)	37	78
1	D	123/155 (79%)	118±1 (96±1%)	5±1 (4±1%)	0±0 (0±0%)	49	83
2	E	0	-	-	-	-	
2	F	0	-	-	-	-	
2	G	0	-	-	-	-	
2	H	0	-	-	-	-	
All	All	9840/15600 (63%)	9233 (94%)	594 (6%)	13 (0%)	49	83

All 11 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	C	124	PRO	2
1	B	124	PRO	2
1	B	91	GLY	1
1	C	131	VAL	1
1	D	91	GLY	1
1	C	129	ALA	1
1	C	89	ILE	1

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Mol	Chain	Res	Type	Models (Total)
1	C	86	ILE	1
1	C	87	ALA	1
1	B	131	VAL	1
1	D	26	PRO	1

6.3.2 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 NMR 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	A	106/132 (80%)	102±2 (96±1%)	4±2 (4±1%)	30 81
1	B	106/132 (80%)	101±2 (95±2%)	5±2 (5±2%)	24 75
1	C	104/132 (79%)	99±1 (96±1%)	5±1 (4±1%)	26 77
1	D	105/132 (80%)	101±1 (96±1%)	4±1 (4±1%)	32 82
2	E	0	-	-	-
2	F	0	-	-	-
2	G	0	-	-	-
2	H	0	-	-	-
All	All	8420/13120 (64%)	8072 (96%)	348 (4%)	28 79

All 83 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	60	LEU	20
1	D	60	LEU	20
1	B	60	LEU	19
1	C	117	MET	17
1	A	89	ILE	16
1	B	89	ILE	15
1	D	70	GLU	10
1	A	34	LYS	9
1	C	89	ILE	9
1	C	34	LYS	8
1	D	89	ILE	8
1	C	86	ILE	8
1	C	60	LEU	8

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Mol	Chain	Res	Type	Models (Total)
1	A	128	LEU	7
1	B	42	LEU	7
1	B	125	GLN	7
1	D	90	GLU	7
1	C	125	GLN	6
1	A	86	ILE	6
1	C	126	LEU	6
1	D	86	ILE	6
1	D	56	TYR	5
1	B	86	ILE	5
1	B	39	GLU	5
1	C	112	GLU	5
1	B	12	GLN	4
1	B	126	LEU	4
1	B	112	GLU	4
1	C	42	LEU	4
1	C	33	GLN	4
1	B	70	GLU	3
1	A	56	TYR	3
1	A	126	LEU	3
1	D	31	VAL	3
1	B	128	LEU	3
1	B	90	GLU	3
1	C	19	LYS	3
1	D	16	ILE	3
1	B	98	LEU	3
1	B	33	GLN	2
1	C	41	LYS	2
1	A	70	GLU	2
1	A	93	GLN	2
1	B	56	TYR	2
1	C	98	LEU	2
1	B	127	ASN	2
1	C	56	TYR	2
1	B	37	GLN	2
1	C	13	ILE	2
1	D	17	TYR	2
1	A	90	GLU	2
1	D	13	ILE	2
1	D	128	LEU	2
1	B	40	VAL	2
1	A	12	GLN	2

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Mol	Chain	Res	Type	Models (Total)
1	C	27	ASN	2
1	D	126	LEU	2
1	B	30	HIS	1
1	C	93	GLN	1
1	C	71	GLU	1
1	A	122	THR	1
1	B	117	MET	1
1	A	10	THR	1
1	B	36	TRP	1
1	C	37	GLN	1
1	D	12	GLN	1
1	D	94	MET	1
1	A	13	ILE	1
1	C	132	ASN	1
1	B	44	LEU	1
1	A	127	ASN	1
1	C	44	LEU	1
1	D	132	ASN	1
1	A	14	GLN	1
1	D	36	TRP	1
1	B	11	PHE	1
1	A	132	ASN	1
1	B	118	VAL	1
1	A	61	ARG	1
1	B	74	PHE	1
1	A	112	GLU	1
1	B	13	ILE	1
1	B	94	MET	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains (i)

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 14% for the well-defined parts and 13% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_1*

7.1.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1046
Number of shifts mapped to atoms	1046
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	139	0.25 ± 0.15	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	128	0.84 ± 0.22	Should be checked
$^{13}C'$	137	0.29 ± 0.15	None needed (< 0.5 ppm)
^{15}N	133	-1.16 ± 0.25	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 13%, i.e. 888 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	455/2431 (19%)	111/983 (11%)	233/984 (24%)	111/464 (24%)
Sidechain	368/3592 (10%)	204/2354 (9%)	164/1126 (15%)	0/112 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	65/566 (11%)	33/275 (12%)	31/271 (11%)	1/20 (5%)
Overall	888/6589 (13%)	348/3612 (10%)	428/2381 (18%)	112/596 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1046 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	542/3880 (14%)	133/1576 (8%)	276/1560 (18%)	133/744 (18%)
Sidechain	427/5500 (8%)	234/3576 (7%)	193/1748 (11%)	0/176 (0%)
Aromatic	77/996 (8%)	39/480 (8%)	37/484 (8%)	1/32 (3%)
Overall	1046/10376 (10%)	406/5632 (7%)	506/3792 (13%)	134/952 (14%)

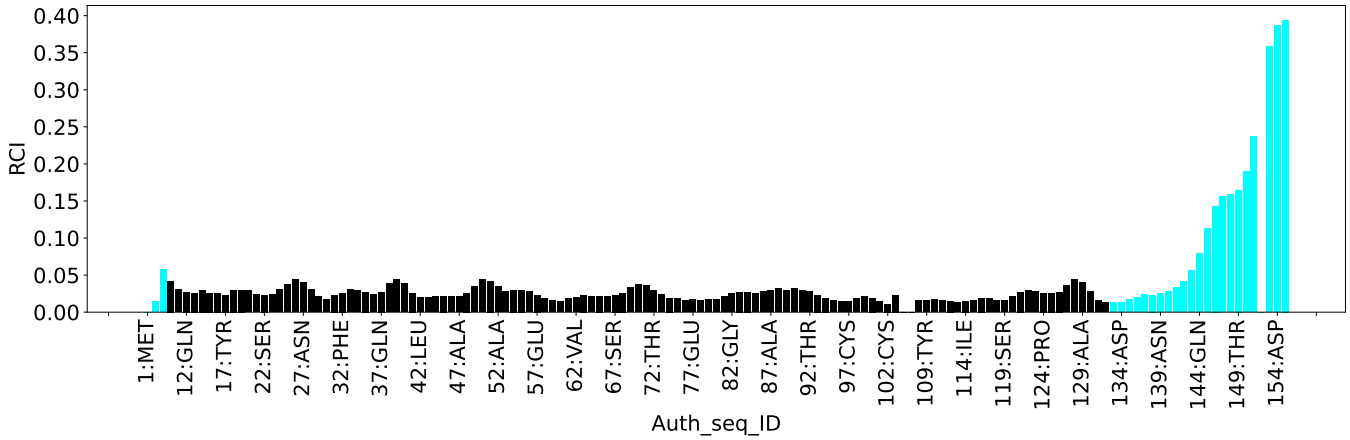
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



7.2 Chemical shift list 2

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_2*

7.2.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1044
Number of shifts mapped to atoms	1044
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.2.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	140	0.27 ± 0.10	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	126	0.78 ± 0.20	Should be checked
$^{13}C'$	135	0.26 ± 0.12	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.27	Should be applied

7.2.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 13%, i.e. 883 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	452/2431 (19%)	110/983 (11%)	232/984 (24%)	110/464 (24%)
Sidechain	366/3592 (10%)	204/2354 (9%)	162/1126 (14%)	0/112 (0%)
Aromatic	65/566 (11%)	33/275 (12%)	31/271 (11%)	1/20 (5%)
Overall	883/6589 (13%)	347/3612 (10%)	425/2381 (18%)	111/596 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1044 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	539/3880 (14%)	132/1576 (8%)	275/1560 (18%)	132/744 (18%)
Sidechain	428/5500 (8%)	237/3576 (7%)	191/1748 (11%)	0/176 (0%)
Aromatic	77/996 (8%)	39/480 (8%)	37/484 (8%)	1/32 (3%)
Overall	1044/10376 (10%)	408/5632 (7%)	503/3792 (13%)	133/952 (14%)

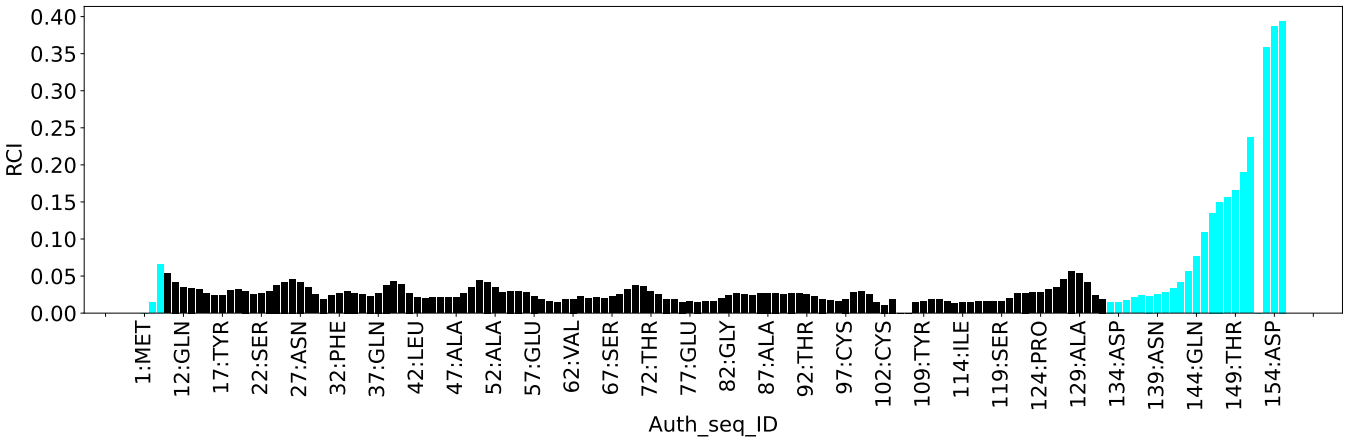
7.2.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.2.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



7.3 Chemical shift list 3

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_3*

7.3.1 Bookkeeping (i)

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1044
Number of shifts mapped to atoms	1044
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.3.2 Chemical shift referencing (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	140	0.27 ± 0.10	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	126	0.78 ± 0.20	Should be checked
$^{13}C'$	135	0.26 ± 0.12	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.27	Should be applied

7.3.3 Completeness of resonance assignments (i)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 13%, i.e. 883 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	452/2431 (19%)	110/983 (11%)	232/984 (24%)	110/464 (24%)
Sidechain	366/3592 (10%)	204/2354 (9%)	162/1126 (14%)	0/112 (0%)
Aromatic	65/566 (11%)	33/275 (12%)	31/271 (11%)	1/20 (5%)
Overall	883/6589 (13%)	347/3612 (10%)	425/2381 (18%)	111/596 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1044 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	539/3880 (14%)	132/1576 (8%)	275/1560 (18%)	132/744 (18%)
Sidechain	428/5500 (8%)	237/3576 (7%)	191/1748 (11%)	0/176 (0%)
Aromatic	77/996 (8%)	39/480 (8%)	37/484 (8%)	1/32 (3%)
Overall	1044/10376 (10%)	408/5632 (7%)	503/3792 (13%)	133/952 (14%)

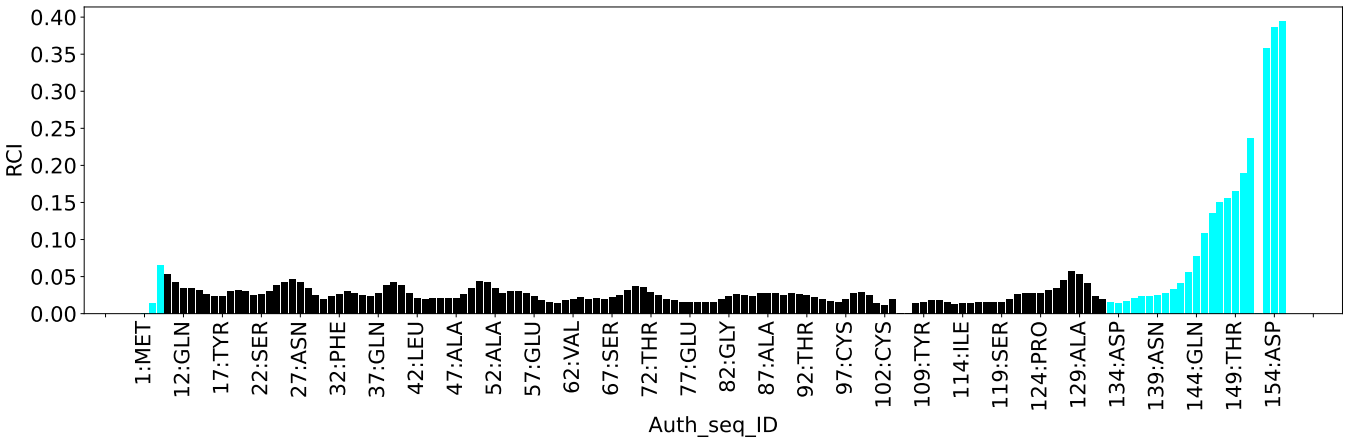
7.3.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.3.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



7.4 Chemical shift list 4

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_4*

7.4.1 Bookkeeping (i)

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1046
Number of shifts mapped to atoms	1046
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.4.2 Chemical shift referencing (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	139	0.25 ± 0.15	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	128	0.84 ± 0.22	Should be checked
$^{13}C'$	137	0.29 ± 0.15	None needed (< 0.5 ppm)
^{15}N	133	-1.16 ± 0.25	Should be applied

7.4.3 Completeness of resonance assignments (i)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 13%, i.e. 888 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	455/2431 (19%)	111/983 (11%)	233/984 (24%)	111/464 (24%)
Sidechain	368/3592 (10%)	204/2354 (9%)	164/1126 (15%)	0/112 (0%)
Aromatic	65/566 (11%)	33/275 (12%)	31/271 (11%)	1/20 (5%)
Overall	888/6589 (13%)	348/3612 (10%)	428/2381 (18%)	112/596 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1046 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	542/3880 (14%)	133/1576 (8%)	276/1560 (18%)	133/744 (18%)
Sidechain	427/5500 (8%)	234/3576 (7%)	193/1748 (11%)	0/176 (0%)
Aromatic	77/996 (8%)	39/480 (8%)	37/484 (8%)	1/32 (3%)
Overall	1046/10376 (10%)	406/5632 (7%)	506/3792 (13%)	134/952 (14%)

7.4.4 Statistically unusual chemical shifts (i)

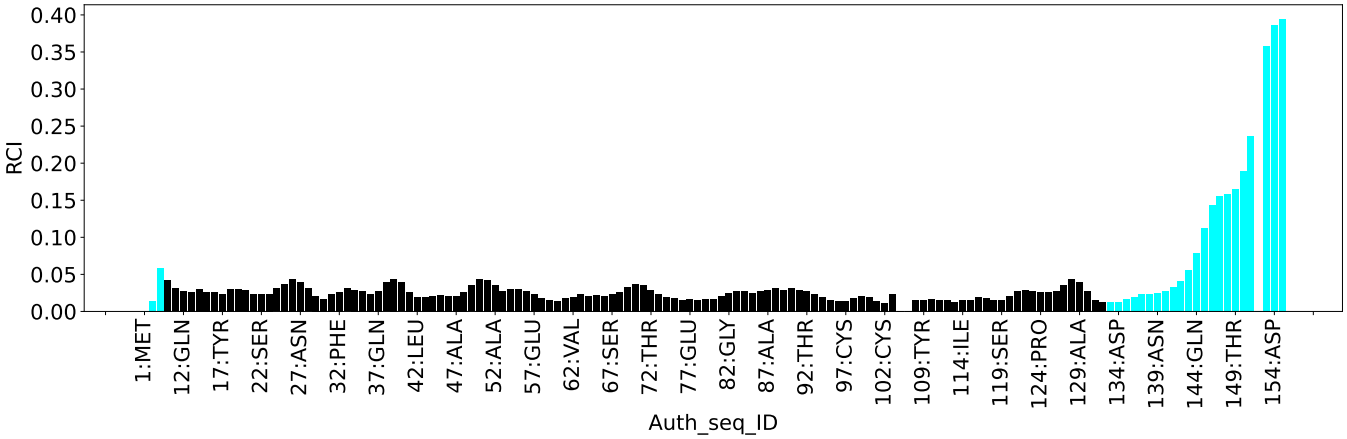
There are no statistically unusual chemical shifts.

7.4.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-

defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



7.5 Chemical shift list 5

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_5*

7.5.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	254
Number of shifts mapped to atoms	254
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.5.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	40	-0.25 ± 0.13	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	36	0.42 ± 0.28	None needed (< 0.5 ppm)
$^{13}C'$	38	-0.23 ± 0.13	None needed (< 0.5 ppm)

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Nucleus	# values	Correction ± precision, *ppm*	Suggested action
^{15}N	38	-0.72 ± 0.20	Should be applied

7.5.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/2431 (0%)	0/983 (0%)	0/984 (0%)	0/464 (0%)
Sidechain	0/3592 (0%)	0/2354 (0%)	0/1126 (0%)	0/112 (0%)
Aromatic	0/566 (0%)	0/275 (0%)	0/271 (0%)	0/20 (0%)
Overall	0/6589 (0%)	0/3612 (0%)	0/2381 (0%)	0/596 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 253 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	153/3880 (4%)	37/1576 (2%)	78/1560 (5%)	38/744 (5%)
Sidechain	100/5500 (2%)	45/3576 (1%)	55/1748 (3%)	0/176 (0%)
Aromatic	0/996 (0%)	0/480 (0%)	0/484 (0%)	0/32 (0%)
Overall	253/10376 (2%)	82/5632 (1%)	133/3792 (4%)	38/952 (4%)

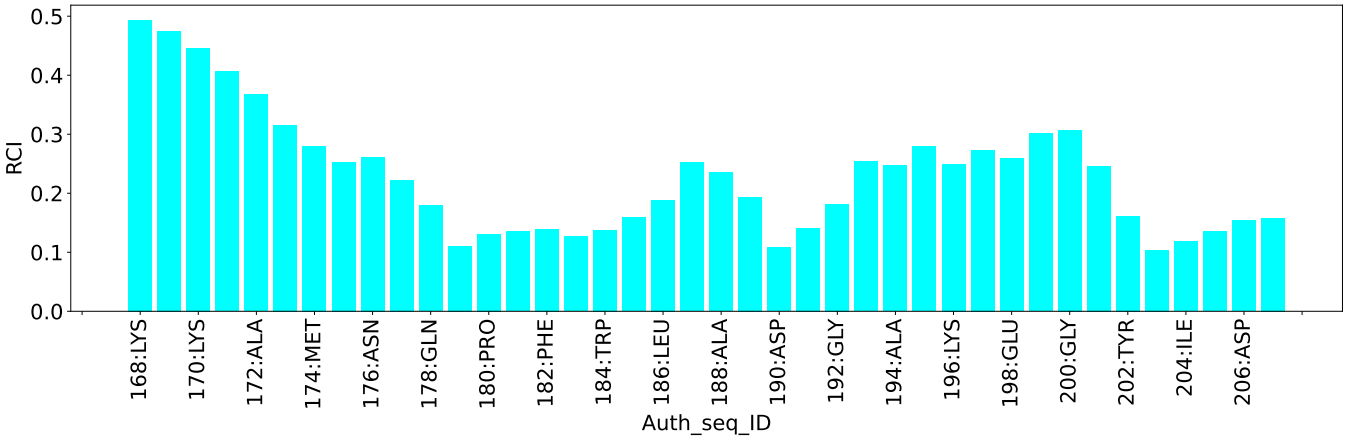
7.5.4 Statistically unusual chemical shifts

There are no statistically unusual chemical shifts.

7.5.5 Random Coil Index (RCI) plots

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain E:



7.6 Chemical shift list 6

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_6*

7.6.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	254
Number of shifts mapped to atoms	254
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.6.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	40	-0.25 ± 0.13	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	36	0.42 ± 0.28	None needed (< 0.5 ppm)
$^{13}C'$	38	-0.23 ± 0.13	None needed (< 0.5 ppm)
^{15}N	38	-0.72 ± 0.20	Should be applied

7.6.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/2431 (0%)	0/983 (0%)	0/984 (0%)	0/464 (0%)
Sidechain	0/3592 (0%)	0/2354 (0%)	0/1126 (0%)	0/112 (0%)
Aromatic	0/566 (0%)	0/275 (0%)	0/271 (0%)	0/20 (0%)
Overall	0/6589 (0%)	0/3612 (0%)	0/2381 (0%)	0/596 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 253 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	153/3880 (4%)	37/1576 (2%)	78/1560 (5%)	38/744 (5%)
Sidechain	100/5500 (2%)	45/3576 (1%)	55/1748 (3%)	0/176 (0%)
Aromatic	0/996 (0%)	0/480 (0%)	0/484 (0%)	0/32 (0%)
Overall	253/10376 (2%)	82/5632 (1%)	133/3792 (4%)	38/952 (4%)

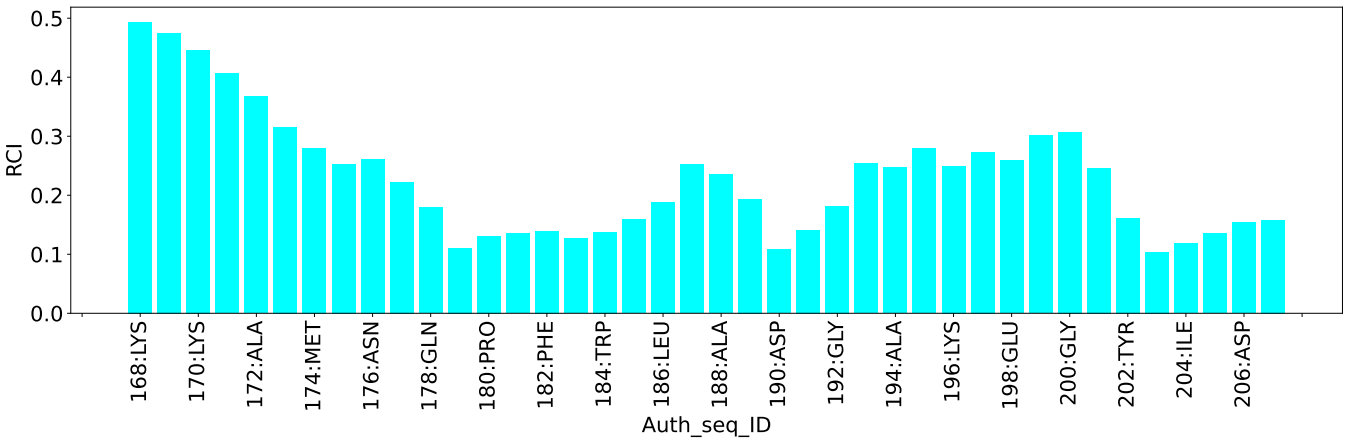
7.6.4 Statistically unusual chemical shifts

There are no statistically unusual chemical shifts.

7.6.5 Random Coil Index (RCI) plots

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain E:



7.7 Chemical shift list 7

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_7*

7.7.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	254
Number of shifts mapped to atoms	254
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.7.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	40	-0.25 ± 0.13	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	36	0.42 ± 0.28	None needed (< 0.5 ppm)
$^{13}C'$	38	-0.23 ± 0.13	None needed (< 0.5 ppm)
^{15}N	38	-0.72 ± 0.20	Should be applied

7.7.3 Completeness of resonance assignments (i)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/2431 (0%)	0/983 (0%)	0/984 (0%)	0/464 (0%)
Sidechain	0/3592 (0%)	0/2354 (0%)	0/1126 (0%)	0/112 (0%)
Aromatic	0/566 (0%)	0/275 (0%)	0/271 (0%)	0/20 (0%)
Overall	0/6589 (0%)	0/3612 (0%)	0/2381 (0%)	0/596 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 253 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	153/3880 (4%)	37/1576 (2%)	78/1560 (5%)	38/744 (5%)
Sidechain	100/5500 (2%)	45/3576 (1%)	55/1748 (3%)	0/176 (0%)
Aromatic	0/996 (0%)	0/480 (0%)	0/484 (0%)	0/32 (0%)
Overall	253/10376 (2%)	82/5632 (1%)	133/3792 (4%)	38/952 (4%)

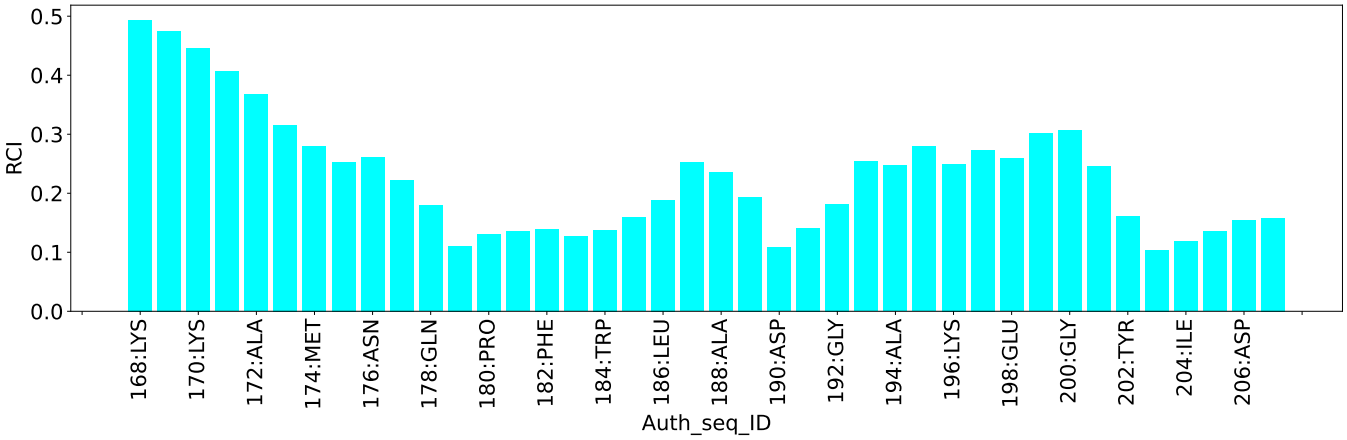
7.7.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.7.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain E:



7.8 Chemical shift list 8

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_8*

7.8.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	254
Number of shifts mapped to atoms	254
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.8.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	40	-0.25 ± 0.13	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	36	0.42 ± 0.28	None needed (< 0.5 ppm)
$^{13}C'$	38	-0.23 ± 0.13	None needed (< 0.5 ppm)
^{15}N	38	-0.72 ± 0.20	Should be applied

7.8.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6589. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/2431 (0%)	0/983 (0%)	0/984 (0%)	0/464 (0%)
Sidechain	0/3592 (0%)	0/2354 (0%)	0/1126 (0%)	0/112 (0%)
Aromatic	0/566 (0%)	0/275 (0%)	0/271 (0%)	0/20 (0%)
Overall	0/6589 (0%)	0/3612 (0%)	0/2381 (0%)	0/596 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 253 atoms were assigned a chemical shift out of a possible 10376. 0 out of 104 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	153/3880 (4%)	37/1576 (2%)	78/1560 (5%)	38/744 (5%)
Sidechain	100/5500 (2%)	45/3576 (1%)	55/1748 (3%)	0/176 (0%)
Aromatic	0/996 (0%)	0/480 (0%)	0/484 (0%)	0/32 (0%)
Overall	253/10376 (2%)	82/5632 (1%)	133/3792 (4%)	38/952 (4%)

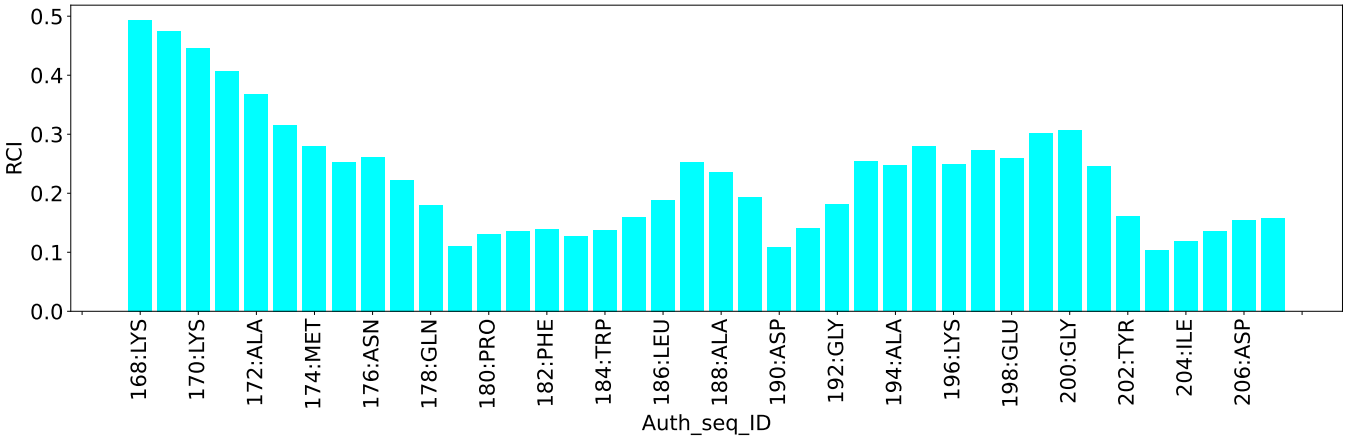
7.8.4 Statistically unusual chemical shifts

There are no statistically unusual chemical shifts.

7.8.5 Random Coil Index (RCI) plots

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain E:


RCI
0.0
0.1
0.2
0.3
0.4
0.5
168:LYS
170:LYS
172:ALA
174:MET
176:ASN
178:GLN
180:PRO
182:PHE
184:TRP
186:LEU
188:ALA
190:ASP
192:GLY
194:ALA
196:LYS
198:GLU
200:GLY
202:TYR
204:ILE
206:ASP
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

Description	Value
Total distance restraints	1764
Intra-residue (|i-j|=0)	0
Sequential (|i-j|=1)	667
Medium range (|i-j|>1 and |i-j|<5)	360
Long range (|i-j|≥5)	604
Inter-chain	133
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	976
Number of unmapped restraints	0
Number of restraints per residue	3.5
Number of long range restraints per residue[1]	0.8

[1]Long range hydrogen bonds and disulfide bonds are counted as long range restraints while calculating the number of long range restraints per residue

8.2 Residual restraint violations

This section provides the overview of the restraint violations analysis. The violations are binned as small, medium and large violations based on its absolute value. Average number of violations per model is calculated by dividing the total number of violations in each bin by the size of the ensemble.

8.2.1 Average number of distance violations per model

Distance violations less than 0.1 Å
are not included in the calculation.

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	65.2	0.2
0.2-0.5 (Medium)	83.5	0.5
>0.5 (Large)	80.5	7.6

8.2.2 Average number of dihedral-angle violations per model (i)

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	112.5	9.97
10.0-20.0 (Medium)	0.3	12.97
>20.0 (Large)	None	None

9 Distance violation analysis (i)

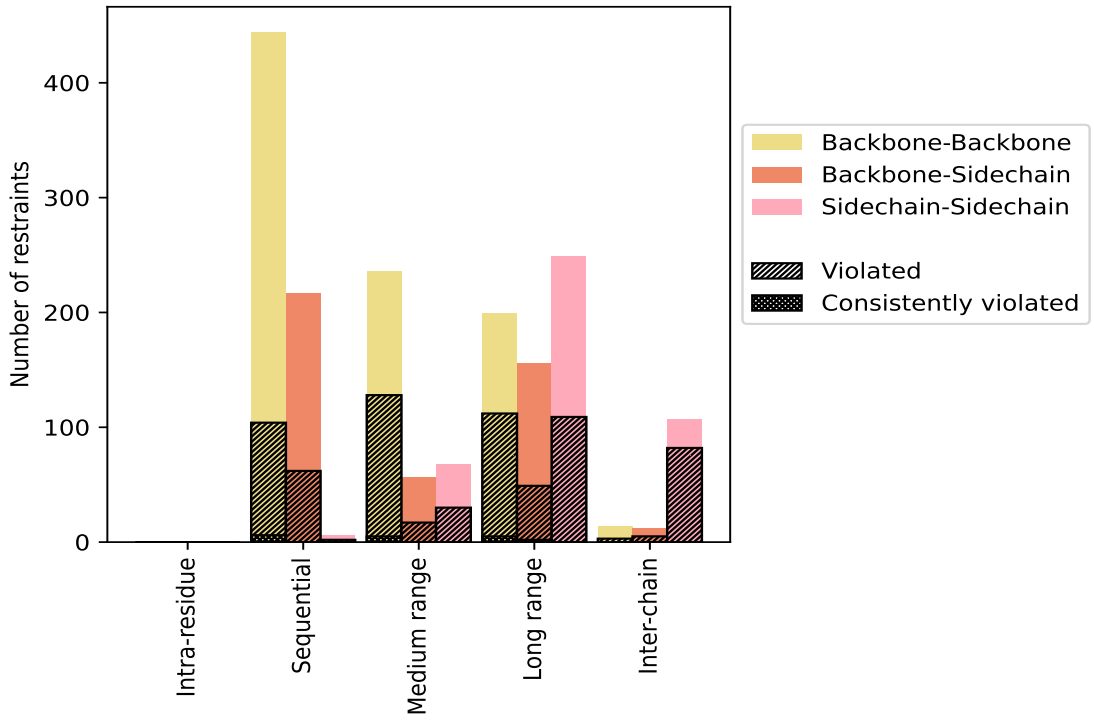
9.1 Summary of distance violations (i)

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	667	37.8	168	25.2	9.5	6	0.9	0.3
Backbone-Backbone	444	25.2	104	23.4	5.9	6	1.4	0.3
Backbone-Sidechain	217	12.3	62	28.6	3.5	0	0.0	0.0
Sidechain-Sidechain	6	0.3	2	33.3	0.1	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	360	20.4	175	48.6	9.9	5	1.4	0.3
Backbone-Backbone	236	13.4	128	54.2	7.3	5	2.1	0.3
Backbone-Sidechain	56	3.2	17	30.4	1.0	0	0.0	0.0
Sidechain-Sidechain	68	3.9	30	44.1	1.7	0	0.0	0.0
Long range (|i-j|≥5)	604	34.2	270	44.7	15.3	7	1.2	0.4
Backbone-Backbone	199	11.3	112	56.3	6.3	5	2.5	0.3
Backbone-Sidechain	156	8.8	49	31.4	2.8	2	1.3	0.1
Sidechain-Sidechain	249	14.1	109	43.8	6.2	0	0.0	0.0
Inter-chain	133	7.5	90	67.7	5.1	0	0.0	0.0
Backbone-Backbone	14	0.8	3	21.4	0.2	0	0.0	0.0
Backbone-Sidechain	12	0.7	5	41.7	0.3	0	0.0	0.0
Sidechain-Sidechain	107	6.1	82	76.6	4.6	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1764	100.0	703	39.9	39.9	18	1.0	1.0
Backbone-Backbone	893	50.6	347	38.9	19.7	16	1.8	0.9
Backbone-Sidechain	441	25.0	133	30.2	7.5	2	0.5	0.1
Sidechain-Sidechain	430	24.4	223	51.9	12.6	0	0.0	0.0

[1] percentage calculated with respect to the total number of distance restraints, [2] percentage calculated with respect to the number of restraints in a particular restraint category, [3] violated in at least one model, [4] violated in all the models

9.1.1 Bar chart : Distribution of distance restraints and violations



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfied bonds are counted in their appropriate category on the x-axis

9.2 Distance violation statistics for each model

The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å
are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	0	59	66	108	16	249	0.76	7.6	1.08	0.33
2	0	57	70	91	18	236	0.6	4.88	0.69	0.32
3	0	67	71	93	20	251	0.7	6.78	0.99	0.35
4	0	66	67	84	16	233	0.66	5.75	0.86	0.3
5	0	55	73	91	13	232	0.66	5.4	0.83	0.32
6	0	61	68	92	22	243	0.71	4.67	0.82	0.39
7	0	62	56	109	17	244	0.79	6.24	0.97	0.4
8	0	65	67	91	19	242	0.65	5.37	0.77	0.33
9	0	54	48	57	16	175	0.34	2.09	0.3	0.24
10	0	63	60	90	15	228	0.61	6.34	0.76	0.32

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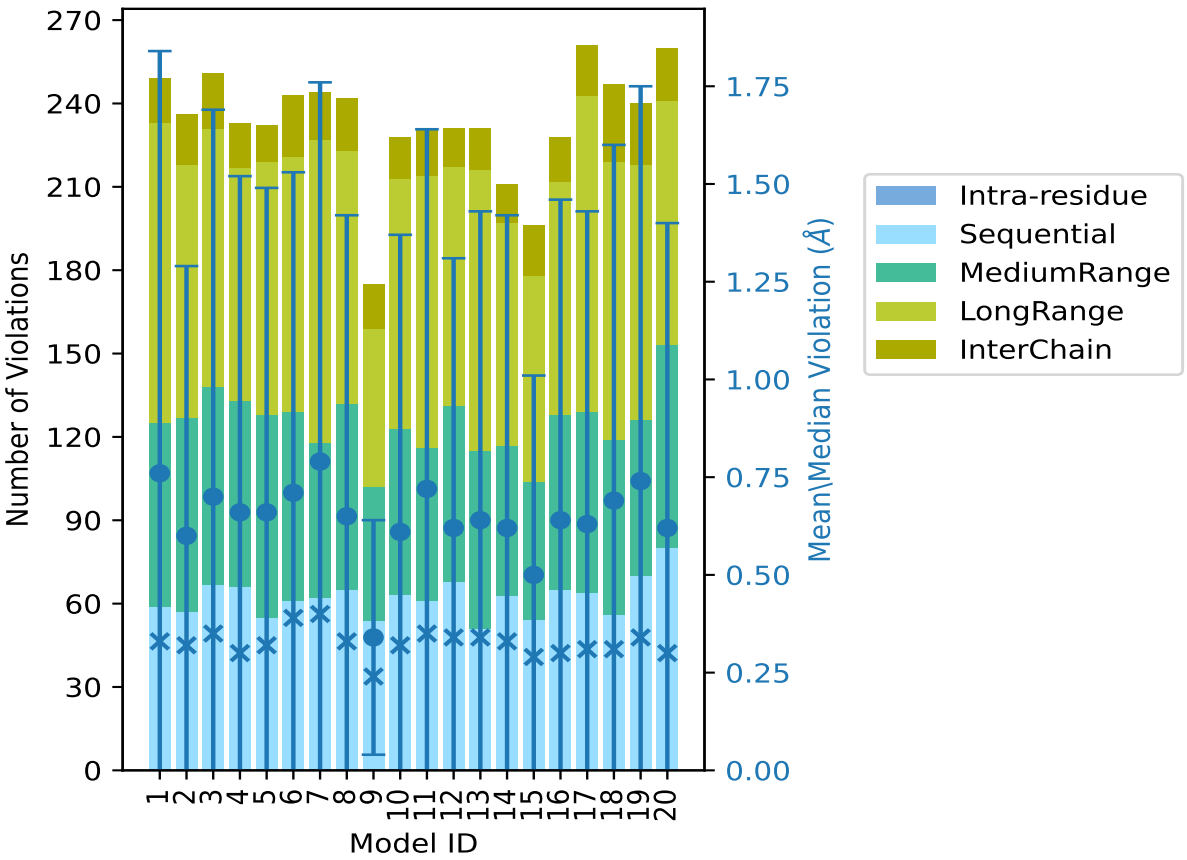
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	0	61	55	98	17	231	0.72	6.78	0.92	0.35
12	0	68	63	86	14	231	0.62	4.24	0.69	0.34
13	0	51	64	101	15	231	0.64	4.66	0.79	0.34
14	0	63	54	80	14	211	0.62	6.0	0.8	0.33
15	0	54	50	74	18	196	0.5	2.97	0.51	0.29
16	0	65	63	84	16	228	0.64	6.1	0.82	0.3
17	0	64	65	114	18	261	0.63	4.78	0.8	0.31
18	0	56	63	100	28	247	0.69	5.09	0.91	0.31
19	0	70	56	92	22	240	0.74	6.06	1.01	0.34
20	0	80	73	88	19	260	0.62	4.8	0.78	0.3

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6]Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

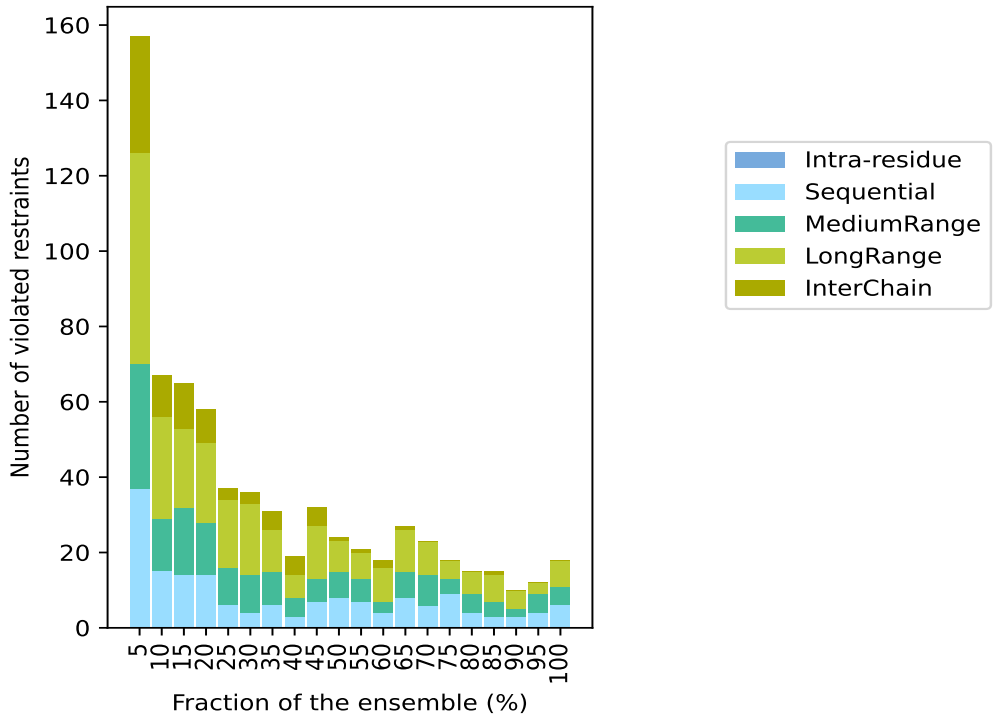
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1061(IR:0, SQ:499, MR:185, LR:334, IC:43) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	37	33	56	31	157	1	5.0
0	15	14	27	11	67	2	10.0
0	14	18	21	12	65	3	15.0
0	14	14	21	9	58	4	20.0
0	6	10	18	3	37	5	25.0
0	4	10	19	3	36	6	30.0
0	6	9	11	5	31	7	35.0
0	3	5	6	5	19	8	40.0
0	7	6	14	5	32	9	45.0
0	8	7	8	1	24	10	50.0
0	7	6	7	1	21	11	55.0
0	4	3	9	2	18	12	60.0
0	8	7	11	1	27	13	65.0
0	6	8	9	0	23	14	70.0
0	9	4	5	0	18	15	75.0
0	4	5	6	0	15	16	80.0
0	3	4	7	1	15	17	85.0
0	3	2	5	0	10	18	90.0
0	4	5	3	0	12	19	95.0
0	6	5	7	0	18	20	100.0

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6] Number of models with violations

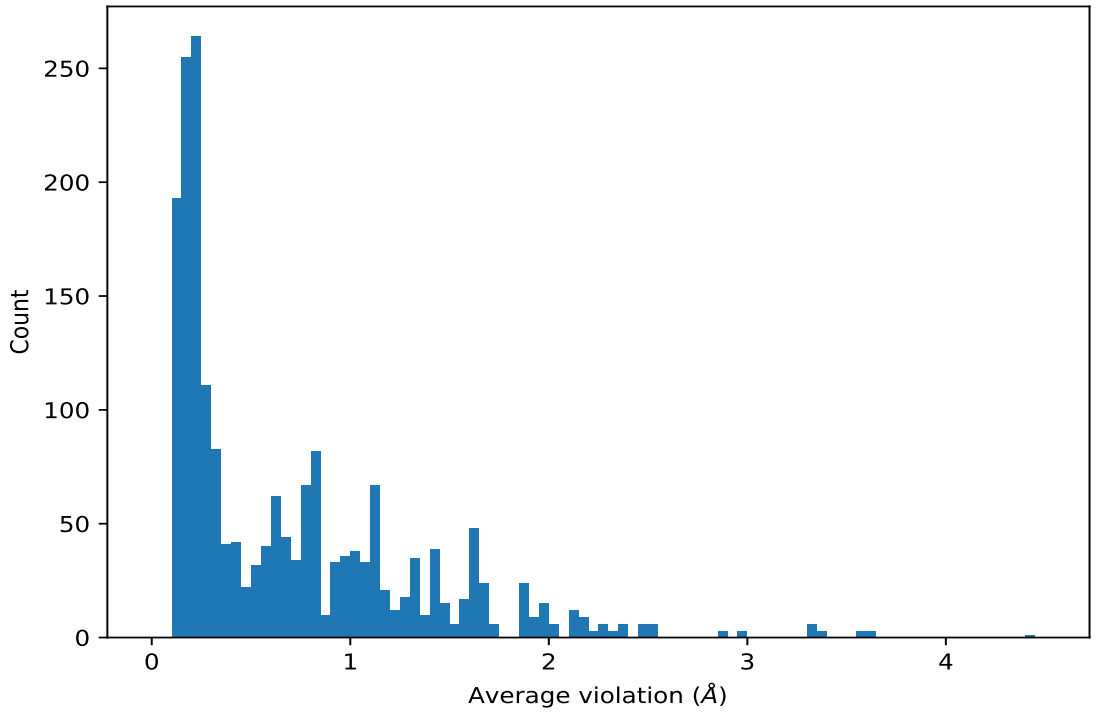
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble



9.4.2 Table: Most violated distance restraints (i)

The following table provides the mean and the standard deviation of theviolation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	20	2.96	0.86	3.12
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	20	2.96	0.86	3.12
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	20	2.96	0.86	3.12
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	20	2.25	1.21	2.38
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	20	2.25	1.21	2.38
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	20	2.25	1.21	2.38
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	20	1.03	0.3	1.05
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	20	0.88	0.14	0.89
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	20	0.58	0.18	0.52
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	20	0.53	0.15	0.57
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	20	0.52	0.22	0.52
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	20	0.44	0.11	0.45
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	20	0.44	0.11	0.47
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	20	0.43	0.06	0.44
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	20	0.41	0.19	0.36
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	20	0.38	0.11	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	20	0.35	0.13	0.31
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	20	0.35	0.08	0.34
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	20	0.3	0.07	0.3
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	20	0.29	0.09	0.28
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	20	0.28	0.07	0.3
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	20	0.26	0.07	0.24
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	19	2.32	2.23	1.04
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	19	2.24	1.35	1.82
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	19	2.24	1.35	1.82
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	19	2.24	1.35	1.82
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	19	1.29	0.15	1.29
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	19	1.29	0.15	1.29
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	19	1.29	0.15	1.29
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	19	1.18	0.76	1.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	19	1.18	0.76	1.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	19	1.18	0.76	1.13
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	19	0.63	0.19	0.6
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	19	0.46	0.16	0.48
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	19	0.45	0.13	0.46
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	19	0.35	0.16	0.31
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	19	0.22	0.06	0.21
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	19	0.22	0.05	0.22
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	19	0.18	0.05	0.19
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	19	0.18	0.04	0.18
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	18	1.1	0.7	1.04
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	18	0.76	0.44	0.73
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	18	0.72	0.43	0.7
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	18	0.69	0.37	0.63
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	18	0.69	0.37	0.63
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	18	0.53	0.31	0.48
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	18	0.34	0.16	0.37
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	18	0.32	0.13	0.32
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	18	0.31	0.15	0.24
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	18	0.25	0.11	0.23
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	18	0.24	0.06	0.25
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	17	1.73	1.13	1.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	17	1.73	1.13	1.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	17	1.73	1.13	1.27
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	17	1.44	1.18	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	17	1.44	1.18	0.86
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	17	1.32	0.54	1.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	17	1.32	0.54	1.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	17	1.32	0.54	1.21
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	17	1.15	0.45	1.03
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	17	1.15	0.45	1.03
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	17	1.15	0.45	1.03
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	17	1.1	0.51	1.17
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	17	0.98	0.45	0.92
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	17	0.98	0.45	0.92
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	17	0.84	0.42	0.87
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	17	0.84	0.42	0.87
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	17	0.63	0.4	0.53
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	17	0.63	0.4	0.53
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	17	0.63	0.4	0.53
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	17	0.55	0.27	0.53
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	17	0.37	0.12	0.35
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	17	0.35	0.09	0.38
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	17	0.29	0.21	0.2
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	17	0.29	0.1	0.3
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	17	0.23	0.06	0.24
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	17	0.21	0.08	0.18
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	16	3.57	2.54	4.49
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	16	3.57	2.54	4.49
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	16	3.57	2.54	4.49
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	16	3.31	1.38	3.32
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	16	3.31	1.38	3.32
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	16	3.31	1.38	3.32
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	16	3.31	1.38	3.32
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	16	3.31	1.38	3.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	16	3.31	1.38	3.32
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	16	1.44	0.73	1.43
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	16	1.44	0.73	1.43
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	16	1.44	0.73	1.43
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	16	1.18	0.77	0.98
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	16	1.18	0.77	0.98
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	16	1.18	0.77	0.98
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	16	0.79	0.35	0.8
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	16	0.79	0.35	0.8
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	16	0.79	0.35	0.8
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	16	0.49	0.14	0.52
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	16	0.49	0.14	0.52
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	16	0.42	0.13	0.44
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	16	0.41	0.19	0.38
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	16	0.35	0.08	0.34
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	16	0.35	0.08	0.34
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	16	0.35	0.12	0.3
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	16	0.31	0.11	0.29
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	16	0.3	0.12	0.28
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	16	0.26	0.1	0.26
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	16	0.22	0.03	0.22
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	16	0.17	0.06	0.18
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	15	2.1	0.75	2.33
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	15	2.1	0.75	2.33
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	15	2.1	0.75	2.33
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	15	1.23	0.69	1.38
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	15	1.08	0.65	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	15	1.08	0.65	0.96
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	15	0.92	0.36	0.94
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	15	0.49	0.25	0.41
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	15	0.49	0.25	0.41
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	15	0.49	0.25	0.41
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	15	0.47	0.24	0.43
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	15	0.44	0.16	0.43
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	15	0.44	0.16	0.43
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	15	0.43	0.24	0.38
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	15	0.42	0.12	0.45
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	15	0.38	0.23	0.34
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	15	0.33	0.11	0.32
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	15	0.29	0.09	0.28
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	15	0.29	0.14	0.27
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	15	0.24	0.07	0.25
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	15	0.23	0.07	0.24
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	15	0.23	0.06	0.23
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	15	0.21	0.07	0.19
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	15	0.2	0.06	0.19
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	14	3.6	2.07	4.24
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	14	3.6	2.07	4.24
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	14	3.6	2.07	4.24
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	14	2.52	1.22	2.0
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	14	2.52	1.22	2.0
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	14	2.52	1.22	2.0
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	14	2.35	0.97	2.64
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	14	2.35	0.97	2.64
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	14	2.35	0.97	2.64
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	14	1.29	0.74	1.26
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	14	1.29	0.74	1.26
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	14	1.29	0.74	1.26
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	14	1.29	0.74	1.26
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	14	1.29	0.74	1.26
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	14	1.29	0.74	1.26
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	14	1.24	0.93	1.02
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	14	1.24	0.93	1.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	14	1.24	0.93	1.02
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	14	0.95	0.64	0.72
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	14	0.95	0.64	0.72
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	14	0.82	0.56	0.58
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	14	0.82	0.56	0.58
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	14	0.82	0.56	0.58
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	14	0.5	0.23	0.4
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	14	0.39	0.17	0.36
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	14	0.39	0.19	0.38
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	14	0.36	0.14	0.38
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	14	0.34	0.17	0.29
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	14	0.28	0.07	0.29
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	14	0.28	0.06	0.3
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	14	0.26	0.1	0.32
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	14	0.26	0.1	0.32
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	14	0.26	0.12	0.22
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	14	0.24	0.12	0.22
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	14	0.24	0.1	0.24
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	14	0.24	0.07	0.22
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	14	0.21	0.07	0.22
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	14	0.21	0.06	0.19
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	14	0.2	0.08	0.19
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	14	0.2	0.05	0.19
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	13	1.97	1.03	2.09
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	13	1.97	1.03	2.09
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	13	1.97	1.03	2.09
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	13	1.69	1.05	1.45
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	13	1.6	0.64	1.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	13	1.6	0.64	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	13	1.6	0.64	1.67
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	13	1.34	0.48	1.32
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	13	1.34	0.48	1.32
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	13	1.34	0.48	1.32
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	13	1.14	0.92	0.8
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	13	1.14	0.92	0.8
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	13	1.14	0.92	0.8
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	13	1.02	0.62	0.95
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	13	0.74	0.47	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	13	0.74	0.47	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	13	0.74	0.47	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	13	0.74	0.47	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	13	0.74	0.47	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	13	0.74	0.47	0.79
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	13	0.72	0.34	0.7
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	13	0.72	0.34	0.7
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	13	0.72	0.34	0.7
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	13	0.71	0.31	0.74
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	13	0.71	0.31	0.74
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	13	0.71	0.31	0.74
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	13	0.64	0.13	0.66
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	13	0.59	0.28	0.63
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	13	0.59	0.28	0.63
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	13	0.57	0.4	0.34
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	13	0.42	0.16	0.47
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	13	0.34	0.13	0.36
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	13	0.33	0.16	0.32
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	13	0.33	0.16	0.32
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	13	0.33	0.16	0.32
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	13	0.31	0.18	0.26
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	13	0.29	0.08	0.28
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	13	0.28	0.12	0.25
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	13	0.28	0.1	0.27
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	13	0.27	0.17	0.21
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	13	0.25	0.09	0.23
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	13	0.22	0.14	0.19
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	13	0.2	0.07	0.18
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	13	0.19	0.09	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	13	0.18	0.05	0.17
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	13	0.17	0.05	0.16
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	13	0.12	0.02	0.11
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	12	3.38	0.58	3.66
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	12	3.38	0.58	3.66
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	12	3.38	0.58	3.66
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	12	2.88	2.03	2.56
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	12	2.88	2.03	2.56
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	12	2.88	2.03	2.56
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	12	2.29	0.37	2.41
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	12	2.29	0.37	2.41
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	12	2.29	0.37	2.41
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	12	2.18	1.21	2.2
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	12	1.55	1.01	1.4
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	12	1.55	1.01	1.4
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	12	1.55	1.01	1.4
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	12	1.41	0.18	1.46
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	12	1.41	0.18	1.46
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	12	1.41	0.18	1.46
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	12	1.2	0.66	1.46
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	12	1.2	0.66	1.46
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	12	1.2	0.66	1.46
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	12	1.14	0.58	1.11
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	12	1.14	0.58	1.11
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	12	1.14	0.58	1.11
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	12	1.11	0.5	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	12	1.11	0.5	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	12	1.11	0.5	1.22
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	12	0.85	0.62	1.03
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	12	0.85	0.62	1.03
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	12	0.61	0.32	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	12	0.61	0.32	0.6
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	12	0.61	0.32	0.6
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	12	0.61	0.32	0.6
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	12	0.61	0.32	0.6
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	12	0.61	0.32	0.6
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	12	0.39	0.28	0.31
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	12	0.37	0.21	0.3
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	12	0.25	0.06	0.25
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	12	0.2	0.09	0.17
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	12	0.19	0.08	0.16
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	12	0.15	0.03	0.16
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	12	0.13	0.01	0.13
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	11	2.45	0.67	2.63
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	11	2.45	0.67	2.63
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	11	2.45	0.67	2.63
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	11	2.11	0.81	2.34
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	11	1.96	1.17	2.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	11	1.96	1.17	2.18
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	11	1.88	1.47	1.56
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	11	1.68	0.86	1.45
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	11	1.37	0.3	1.35
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	11	1.37	0.3	1.35
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	11	1.37	0.3	1.35
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	11	1.3	0.69	1.1
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	11	1.3	0.69	1.1
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	11	1.1	0.86	0.92
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	11	1.1	0.86	0.92
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	11	1.1	0.86	0.92
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	11	1.02	0.56	0.84
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	11	0.8	0.26	0.77
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	11	0.8	0.26	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	11	0.8	0.26	0.77
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	11	0.67	0.22	0.62
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	11	0.67	0.22	0.62
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	11	0.67	0.22	0.62
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	11	0.64	0.23	0.6
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	11	0.6	0.36	0.66
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	11	0.58	0.43	0.62
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	11	0.36	0.17	0.32
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	11	0.31	0.08	0.3
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	11	0.31	0.08	0.3
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	11	0.31	0.08	0.3
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	11	0.27	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	11	0.27	0.07	0.26
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	11	0.27	0.07	0.26
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	11	0.27	0.08	0.27
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	11	0.27	0.08	0.27
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	11	0.26	0.11	0.24
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	11	0.22	0.09	0.2
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	11	0.18	0.05	0.17
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	10	4.44	1.29	4.61
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	10	2.32	1.42	3.17
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	10	2.32	1.42	3.17
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	10	1.58	1.51	0.52
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	10	1.58	1.51	0.52
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	10	1.57	1.04	1.28
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	10	1.49	0.58	1.42
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	10	1.1	0.67	1.1
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	10	1.06	0.51	0.9
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	10	1.06	0.51	0.9
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	10	1.06	0.51	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	10	1.06	0.51	0.9
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	10	1.06	0.51	0.9
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	10	1.06	0.51	0.9
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	10	0.96	0.58	1.04
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	10	0.72	0.37	0.62
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	10	0.67	0.73	0.44
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	10	0.61	0.31	0.62
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	10	0.61	0.31	0.62
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	10	0.61	0.31	0.62
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	10	0.5	0.28	0.46
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	10	0.5	0.28	0.46
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	10	0.5	0.28	0.46
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	10	0.43	0.17	0.47
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	10	0.33	0.14	0.36
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	10	0.28	0.15	0.21
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	10	0.28	0.15	0.21
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	10	0.28	0.15	0.21
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	10	0.27	0.08	0.3
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	10	0.24	0.07	0.24
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	10	0.24	0.12	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	10	0.24	0.12	0.22
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	10	0.22	0.14	0.19
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	10	0.22	0.08	0.21
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	10	0.18	0.07	0.16
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	10	0.16	0.05	0.15
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	10	0.13	0.02	0.14
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	10	0.13	0.02	0.14
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	10	0.13	0.03	0.12
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	9	1.92	0.82	1.77
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	9	1.89	1.2	1.59
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	9	1.89	1.2	1.59
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	9	1.89	1.2	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	9	1.89	1.2	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	9	1.89	1.2	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	9	1.89	1.2	1.59
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	9	1.65	1.0	1.4
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	9	1.65	1.0	1.4
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	9	1.65	1.0	1.4
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	9	1.64	0.97	1.25
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	9	1.62	0.86	1.25
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	9	1.62	0.86	1.25
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	9	1.62	0.86	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	9	1.62	0.78	1.33
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	9	1.62	0.78	1.33
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	9	1.62	0.78	1.33
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	9	1.52	0.76	1.62
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	9	1.52	0.76	1.62
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	9	1.52	0.76	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	9	1.52	0.76	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	9	1.52	0.76	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	9	1.52	0.76	1.62
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	9	1.42	0.79	1.47
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	9	1.34	0.73	1.42
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	9	1.34	0.73	1.42
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	9	1.34	0.73	1.42
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	9	1.29	0.56	1.38
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	9	1.29	0.56	1.38
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	9	1.29	0.56	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	9	1.29	0.56	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	9	1.29	0.56	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	9	1.29	0.56	1.38
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	9	1.12	0.65	0.95
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	9	1.08	0.56	1.22
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	9	1.08	0.56	1.22
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	9	1.08	0.56	1.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	9	0.9	0.69	0.84
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	9	0.9	0.69	0.84
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	9	0.9	0.69	0.84
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	9	0.84	0.42	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	9	0.84	0.42	0.9
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	9	0.73	0.55	0.53
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	9	0.73	0.55	0.53
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	9	0.73	0.55	0.53
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	9	0.52	0.35	0.38
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	9	0.34	0.12	0.34
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	9	0.34	0.12	0.34
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	9	0.34	0.12	0.34
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	9	0.28	0.13	0.22
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	9	0.28	0.13	0.22
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	9	0.27	0.11	0.3
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	9	0.27	0.11	0.3
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	9	0.27	0.11	0.3
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	9	0.27	0.16	0.2
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	9	0.27	0.11	0.2
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	9	0.24	0.1	0.2
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	9	0.24	0.06	0.24
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	9	0.22	0.06	0.2
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	9	0.22	0.06	0.2
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	9	0.21	0.07	0.19
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	9	0.2	0.04	0.2
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	9	0.2	0.07	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	9	0.2	0.07	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	9	0.2	0.07	0.17
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	9	0.19	0.05	0.2
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	9	0.17	0.04	0.17
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	9	0.16	0.04	0.14
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	9	0.16	0.04	0.14
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	9	0.14	0.02	0.14
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	8	1.85	0.59	1.88
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	8	1.1	0.87	0.79
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	8	0.75	0.5	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	8	0.75	0.5	0.73
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	8	0.75	0.5	0.73
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	8	0.72	0.44	0.55
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	8	0.72	0.44	0.55
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	8	0.72	0.44	0.55
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	8	0.6	0.26	0.58
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	8	0.6	0.26	0.58
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	8	0.41	0.18	0.4
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	8	0.41	0.18	0.4
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	8	0.41	0.18	0.4
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	8	0.31	0.12	0.23
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	8	0.31	0.2	0.27
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	8	0.27	0.17	0.24
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	8	0.26	0.2	0.2
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	8	0.25	0.07	0.26
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	8	0.21	0.1	0.18
(1,317)	1:92:A:THR:H	1:94:A:MET:H	8	0.2	0.06	0.2
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	8	0.18	0.06	0.16
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	8	0.17	0.05	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	8	0.16	0.04	0.16
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	8	0.16	0.04	0.16
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	8	0.16	0.04	0.15
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	8	0.15	0.04	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	8	0.15	0.04	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	8	0.15	0.04	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	8	0.15	0.04	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	8	0.15	0.04	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	8	0.15	0.04	0.12
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	7	1.47	0.72	1.09
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	7	1.47	0.72	1.09
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	7	1.47	0.72	1.09
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	7	1.43	0.65	1.5
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	7	1.41	0.72	1.58
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	7	1.41	0.72	1.58
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	7	1.41	0.72	1.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	7	1.41	0.72	1.58
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	7	1.41	0.72	1.58
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	7	1.41	0.72	1.58
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	7	1.39	0.47	1.3
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	7	1.31	0.53	1.4
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	7	1.31	0.53	1.4
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	7	1.31	0.53	1.4
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	7	1.18	0.6	1.12
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	7	1.07	0.67	0.65
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	7	1.04	0.87	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	7	1.04	0.87	0.81
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	7	1.0	0.83	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	7	1.0	0.83	0.78
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	7	0.99	0.4	1.0
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	7	0.84	0.48	1.07
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	7	0.84	0.56	0.68
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	7	0.79	0.48	0.64
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	7	0.79	0.48	0.64
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	7	0.79	0.48	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	7	0.79	0.48	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	7	0.79	0.48	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	7	0.79	0.48	0.64
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	7	0.61	0.24	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	7	0.61	0.24	0.65
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	7	0.38	0.18	0.48
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	7	0.38	0.13	0.44
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	7	0.32	0.08	0.34
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	7	0.32	0.19	0.22
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	7	0.26	0.09	0.25
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	7	0.24	0.06	0.25
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	7	0.23	0.08	0.23
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	7	0.23	0.08	0.23
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	7	0.22	0.07	0.19
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	7	0.22	0.08	0.21
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	7	0.21	0.06	0.21
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	7	0.2	0.1	0.15
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	7	0.19	0.05	0.17
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	7	0.17	0.1	0.12
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	7	0.17	0.03	0.17
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	7	0.16	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	7	0.16	0.03	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	7	0.16	0.03	0.18
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	7	0.16	0.03	0.15
(1,395)	1:122:A:THR:H	1:18:B:THR:H	7	0.15	0.04	0.14
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	6	2.0	0.72	2.24
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	6	2.0	0.72	2.24
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	6	2.0	0.72	2.24
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	6	1.66	0.46	1.7
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	6	1.66	0.46	1.7
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	6	1.66	0.46	1.7
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	6	1.66	0.46	1.7
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	6	1.66	0.46	1.7
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	6	1.66	0.46	1.7
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	6	1.63	0.91	1.68
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	6	1.38	0.89	1.02
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	6	1.38	0.89	1.02
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	6	1.38	0.89	1.02
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	6	1.38	0.89	1.02
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	6	1.38	0.89	1.02
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	6	1.38	0.89	1.02
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	6	1.12	0.83	0.96
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	6	1.12	0.83	0.96
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	6	1.12	0.83	0.96
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	6	1.12	0.83	0.96
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	6	1.12	0.83	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	6	1.12	0.83	0.96
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	6	1.09	0.62	1.08
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	6	1.09	0.62	1.08
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	6	1.09	0.62	1.08
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	6	1.09	0.62	1.08
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	6	1.09	0.62	1.08
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	6	1.09	0.62	1.08
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	6	0.84	0.69	0.52
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	6	0.79	0.37	0.88
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	6	0.59	0.2	0.57
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	6	0.59	0.2	0.57
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	6	0.59	0.2	0.57
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	6	0.56	0.22	0.64
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	6	0.56	0.22	0.64
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	6	0.56	0.22	0.64
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	6	0.56	0.22	0.64
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	6	0.56	0.22	0.64
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	6	0.56	0.22	0.64
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	6	0.5	0.23	0.42
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	6	0.49	0.09	0.52
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	6	0.41	0.13	0.37
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	6	0.38	0.17	0.4
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	6	0.38	0.32	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	6	0.38	0.32	0.22
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	6	0.36	0.11	0.34
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	6	0.36	0.11	0.34
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	6	0.34	0.28	0.24
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	6	0.34	0.28	0.24
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	6	0.31	0.18	0.24
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	6	0.27	0.06	0.26
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	6	0.26	0.13	0.22
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	6	0.25	0.14	0.22
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	6	0.24	0.09	0.2
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	6	0.24	0.12	0.22
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	6	0.24	0.04	0.23
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	6	0.24	0.04	0.23
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	6	0.24	0.04	0.23
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	6	0.22	0.11	0.21
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	6	0.22	0.06	0.24
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	6	0.22	0.09	0.19
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	6	0.2	0.09	0.18
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	6	0.18	0.09	0.15
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	6	0.18	0.04	0.19
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	6	0.17	0.06	0.13
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	6	0.17	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	6	0.17	0.06	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	6	0.17	0.06	0.16
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	6	0.17	0.06	0.13
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	6	0.16	0.05	0.16
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	6	0.16	0.04	0.15
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	6	0.14	0.04	0.14
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	5	1.3	1.2	0.96
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	5	0.95	0.35	0.71
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	5	0.88	0.43	0.98
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	5	0.7	0.06	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	5	0.7	0.06	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	5	0.7	0.06	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	5	0.65	0.54	0.37
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	5	0.64	0.83	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	5	0.64	0.83	0.2
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	5	0.64	0.43	0.59
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	5	0.63	0.27	0.68
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	5	0.63	0.27	0.68
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	5	0.63	0.27	0.68
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	5	0.54	0.31	0.53
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	5	0.35	0.13	0.42
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	5	0.35	0.2	0.33
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	5	0.33	0.23	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	5	0.29	0.15	0.26
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	5	0.29	0.15	0.26
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	5	0.29	0.15	0.26
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	5	0.27	0.09	0.25
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	5	0.26	0.12	0.26
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	5	0.25	0.09	0.22
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	5	0.24	0.12	0.24
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	5	0.24	0.11	0.18
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	5	0.24	0.14	0.18
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	5	0.23	0.15	0.14
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	5	0.22	0.07	0.22
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	5	0.22	0.07	0.22
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	5	0.22	0.07	0.22
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	5	0.22	0.07	0.22
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	5	0.21	0.1	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	5	0.21	0.1	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	5	0.21	0.09	0.16
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	5	0.21	0.14	0.15
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	5	0.19	0.04	0.17
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	5	0.19	0.03	0.19
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	5	0.18	0.08	0.16
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	5	0.18	0.05	0.19
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	5	0.17	0.05	0.15
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	5	0.17	0.04	0.19
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	5	0.17	0.05	0.15
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	5	0.17	0.05	0.15
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	5	0.16	0.04	0.14
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	5	0.16	0.04	0.14
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	5	0.16	0.04	0.14
(1,814)	1:116:B:SER:H	1:117:B:MET:H	5	0.15	0.04	0.13
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	5	0.15	0.03	0.14
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	5	0.13	0.03	0.12
(1,1387)	1:44:D:LEU:HD11	1:45:D:ASP:H	4	1.74	0.13	1.76
(1,1387)	1:44:D:LEU:HD12	1:45:D:ASP:H	4	1.74	0.13	1.76
(1,1387)	1:44:D:LEU:HD13	1:45:D:ASP:H	4	1.74	0.13	1.76
(1,886)	1:13:C:ILE:HD11	1:15:C:ARG:H	4	1.27	0.48	1.08
(1,886)	1:13:C:ILE:HD12	1:15:C:ARG:H	4	1.27	0.48	1.08
(1,886)	1:13:C:ILE:HD13	1:15:C:ARG:H	4	1.27	0.48	1.08
(1,888)	1:13:C:ILE:HD11	1:83:C:ILE:H	4	1.2	0.29	1.15
(1,888)	1:13:C:ILE:HD12	1:83:C:ILE:H	4	1.2	0.29	1.15
(1,888)	1:13:C:ILE:HD13	1:83:C:ILE:H	4	1.2	0.29	1.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,885)	1:13:C:ILE:HD11	1:14:C:GLN:H	4	0.99	0.32	0.83
(1,885)	1:13:C:ILE:HD12	1:14:C:GLN:H	4	0.99	0.32	0.83
(1,885)	1:13:C:ILE:HD13	1:14:C:GLN:H	4	0.99	0.32	0.83
(1,513)	1:31:B:VAL:HG11	1:32:B:PHE:H	4	0.96	0.1	1.0
(1,513)	1:31:B:VAL:HG12	1:32:B:PHE:H	4	0.96	0.1	1.0
(1,513)	1:31:B:VAL:HG13	1:32:B:PHE:H	4	0.96	0.1	1.0
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD22	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD23	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD22	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD23	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD22	4	0.92	1.02	0.44
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD23	4	0.92	1.02	0.44
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD13	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD13	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD13	4	0.84	0.55	0.79
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD23	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD23	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD23	4	0.82	0.5	0.87
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD13	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD13	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD13	4	0.82	0.34	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD21	4	0.78	0.4	0.79
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD22	4	0.78	0.4	0.79
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD23	4	0.78	0.4	0.79
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD21	4	0.78	0.4	0.79
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD22	4	0.78	0.4	0.79
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD23	4	0.78	0.4	0.79
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE3	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE3	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE3	4	0.77	0.49	0.82
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD23	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD23	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD23	4	0.75	0.29	0.81
(1,852)	1:135:B:ALA:HB1	1:13:D:ILE:H	4	0.73	0.46	0.64
(1,852)	1:135:B:ALA:HB2	1:13:D:ILE:H	4	0.73	0.46	0.64
(1,852)	1:135:B:ALA:HB3	1:13:D:ILE:H	4	0.73	0.46	0.64
(1,1659)	1:136:D:LEU:H	1:139:D:ASN:H	4	0.42	0.27	0.36
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD13	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD13	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD13	4	0.41	0.18	0.4
(1,518)	1:32:B:PHE:HD1	1:33:B:GLN:H	4	0.36	0.08	0.35
(1,518)	1:32:B:PHE:HD2	1:33:B:GLN:H	4	0.36	0.08	0.35
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE1	4	0.35	0.2	0.33
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE2	4	0.35	0.2	0.33
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE3	4	0.35	0.2	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,454)	1:13:B:ILE:HD11	1:14:B:GLN:H	4	0.33	0.12	0.36
(1,454)	1:13:B:ILE:HD12	1:14:B:GLN:H	4	0.33	0.12	0.36
(1,454)	1:13:B:ILE:HD13	1:14:B:GLN:H	4	0.33	0.12	0.36
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD1	4	0.31	0.22	0.22
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD2	4	0.31	0.22	0.22
(1,952)	1:31:C:VAL:H	1:33:C:GLN:H	4	0.3	0.2	0.2
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD1	4	0.28	0.07	0.3
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD2	4	0.28	0.07	0.3
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD23	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD23	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD23	4	0.25	0.09	0.26
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD23	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD23	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD23	4	0.24	0.07	0.22
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD11	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD12	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD13	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD11	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD12	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD13	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD11	4	0.23	0.14	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD12	4	0.23	0.14	0.19
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD13	4	0.23	0.14	0.19
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD1	4	0.22	0.1	0.19
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD2	4	0.22	0.1	0.19
(1,1173)	1:90:C:GLU:H	1:94:C:MET:H	4	0.22	0.07	0.24
(1,758)	1:92:B:THR:H	1:94:B:MET:H	4	0.22	0.03	0.23
(1,1066)	1:60:C:LEU:H	1:80:C:GLN:H	4	0.22	0.09	0.19
(1,556)	1:42:B:LEU:HD21	1:129:B:ALA:H	4	0.21	0.11	0.18
(1,556)	1:42:B:LEU:HD22	1:129:B:ALA:H	4	0.21	0.11	0.18
(1,556)	1:42:B:LEU:HD23	1:129:B:ALA:H	4	0.21	0.11	0.18
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD11	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD13	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD11	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD13	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD11	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD13	4	0.21	0.05	0.2
(1,423)	1:137:A:PHE:H	1:140:A:TYR:H	4	0.21	0.05	0.2
(1,914)	1:19:C:LYS:H	1:81:C:GLY:H	4	0.2	0.08	0.17
(1,261)	1:69:A:GLY:H	1:71:A:GLU:H	4	0.2	0.05	0.22
(1,75)	1:24:A:GLU:H	1:75:A:LEU:H	4	0.2	0.07	0.2
(1,256)	1:68:A:LEU:H	1:73:A:ALA:H	4	0.2	0.06	0.2
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB1	4	0.2	0.1	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB2	4	0.2	0.1	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB3	4	0.2	0.1	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB1	4	0.2	0.1	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB2	4	0.2	0.1	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB3	4	0.2	0.1	0.16
(1,162)	1:49:A:SER:H	1:59:A:VAL:H	4	0.19	0.09	0.15
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD13	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD13	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD13	4	0.19	0.04	0.21
(1,538)	1:41:B:LYS:H	1:65:B:THR:H	4	0.19	0.06	0.18
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD21	4	0.19	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD22	4	0.19	0.04	0.17
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD23	4	0.19	0.04	0.17
(1,584)	1:48:B:SER:H	1:59:B:VAL:H	4	0.18	0.02	0.18
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE1	4	0.18	0.06	0.18
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE2	4	0.18	0.06	0.18
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE1	4	0.18	0.06	0.18
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE2	4	0.18	0.06	0.18
(1,262)	1:70:A:GLU:H	1:71:A:GLU:H	4	0.17	0.02	0.16
(1,1654)	1:135:D:ALA:H	1:137:D:PHE:H	4	0.17	0.02	0.18
(1,331)	1:96:A:HIS:H	1:97:A:CYS:H	4	0.16	0.05	0.16
(1,860)	1:137:B:PHE:H	1:139:B:ASN:H	4	0.16	0.02	0.17
(1,868)	1:139:B:ASN:H	1:141:B:LEU:H	4	0.16	0.04	0.15
(1,1576)	1:96:D:HIS:H	1:98:D:LEU:H	4	0.15	0.02	0.15
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG11	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG13	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG11	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG13	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG11	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG13	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE3	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE3	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE3	4	0.15	0.02	0.16
(1,359)	1:110:A:ALA:H	1:112:A:GLU:H	4	0.15	0.03	0.14
(1,1199)	1:101:C:TYR:H	1:102:C:CYS:H	4	0.14	0.03	0.13
(1,316)	1:92:A:THR:H	1:93:A:GLN:H	4	0.14	0.02	0.13
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG11	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG12	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG13	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG11	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG12	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG13	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG11	4	0.14	0.06	0.11
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG12	4	0.14	0.06	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG13	4	0.14	0.06	0.11
(1,1533)	1:79:D:GLN:H	1:80:D:GLN:H	4	0.13	0.03	0.13
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG13	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG13	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG13	4	0.13	0.02	0.13
(1,1291)	1:12:D:GLN:H	1:13:D:ILE:H	4	0.11	0.01	0.11
(1,1148)	1:79:C:GLN:H	1:80:C:GLN:H	4	0.11	0.01	0.12
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD23	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD23	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD23	3	1.6	0.46	1.52
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD13	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD13	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD13	3	1.33	0.22	1.4
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE1	3	1.12	0.41	1.17
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE2	3	1.12	0.41	1.17
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE3	3	1.12	0.41	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE1	3	1.12	0.41	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE2	3	1.12	0.41	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE3	3	1.12	0.41	1.17
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD12	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD13	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD12	3	1.0	0.33	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD13	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD12	3	1.0	0.33	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD13	3	1.0	0.33	0.91
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG13	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG13	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG13	3	0.99	0.67	1.09
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD23	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD23	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD23	3	0.97	0.36	0.9
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG23	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG23	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG23	3	0.93	0.07	0.93
(1,404)	1:131:A:VAL:HG11	1:133:A:PHE:H	3	0.8	0.19	0.84
(1,404)	1:131:A:VAL:HG12	1:133:A:PHE:H	3	0.8	0.19	0.84
(1,404)	1:131:A:VAL:HG13	1:133:A:PHE:H	3	0.8	0.19	0.84
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD22	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD23	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD22	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD23	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD22	3	0.61	0.31	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD23	3	0.61	0.31	0.55
(1,143)	1:44:A:LEU:HD11	1:45:A:ASP:H	3	0.57	0.1	0.62
(1,143)	1:44:A:LEU:HD12	1:45:A:ASP:H	3	0.57	0.1	0.62
(1,143)	1:44:A:LEU:HD13	1:45:A:ASP:H	3	0.57	0.1	0.62
(1,835)	1:128:B:LEU:HD21	1:129:B:ALA:H	3	0.55	0.24	0.55
(1,835)	1:128:B:LEU:HD22	1:129:B:ALA:H	3	0.55	0.24	0.55
(1,835)	1:128:B:LEU:HD23	1:129:B:ALA:H	3	0.55	0.24	0.55
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD23	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD23	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD23	3	0.5	0.09	0.54
(1,1044)	1:56:C:TYR:H	1:86:C:ILE:H	3	0.48	0.26	0.64
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD11	3	0.46	0.19	0.34
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD12	3	0.46	0.19	0.34
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD13	3	0.46	0.19	0.34
(1,410)	1:133:A:PHE:H	1:136:A:LEU:H	3	0.41	0.17	0.38
(1,455)	1:13:B:ILE:HD11	1:15:B:ARG:H	3	0.4	0.09	0.39
(1,455)	1:13:B:ILE:HD12	1:15:B:ARG:H	3	0.4	0.09	0.39
(1,455)	1:13:B:ILE:HD13	1:15:B:ARG:H	3	0.4	0.09	0.39
(1,1264)	1:136:C:LEU:H	1:139:C:ASN:H	3	0.36	0.24	0.19
(1,1260)	1:135:C:ALA:H	1:138:C:MET:H	3	0.35	0.2	0.25
(1,675)	1:64:B:VAL:HG21	1:76:B:CYS:H	3	0.34	0.17	0.39
(1,675)	1:64:B:VAL:HG22	1:76:B:CYS:H	3	0.34	0.17	0.39
(1,675)	1:64:B:VAL:HG23	1:76:B:CYS:H	3	0.34	0.17	0.39
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE3	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE3	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE3	3	0.34	0.03	0.32
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD21	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD23	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD21	3	0.34	0.24	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD23	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD21	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD23	3	0.34	0.24	0.21
(1,1159)	1:86:C:ILE:HD11	1:87:C:ALA:H	3	0.31	0.09	0.35
(1,1159)	1:86:C:ILE:HD12	1:87:C:ALA:H	3	0.31	0.09	0.35
(1,1159)	1:86:C:ILE:HD13	1:87:C:ALA:H	3	0.31	0.09	0.35
(1,1175)	1:91:C:GLY:H	1:94:C:MET:H	3	0.28	0.12	0.32
(1,1265)	1:136:C:LEU:HD21	1:137:C:PHE:H	3	0.27	0.14	0.28
(1,1265)	1:136:C:LEU:HD22	1:137:C:PHE:H	3	0.27	0.14	0.28
(1,1265)	1:136:C:LEU:HD23	1:137:C:PHE:H	3	0.27	0.14	0.28
(1,1188)	1:96:C:HIS:H	1:98:C:LEU:H	3	0.27	0.12	0.3
(1,1651)	1:134:D:ASP:H	1:136:D:LEU:H	3	0.26	0.11	0.19
(1,7)	1:11:A:PHE:HD1	1:12:A:GLN:H	3	0.26	0.18	0.16
(1,7)	1:11:A:PHE:HD2	1:12:A:GLN:H	3	0.26	0.18	0.16
(1,324)	1:94:A:MET:H	1:97:A:CYS:H	3	0.25	0.14	0.15
(1,641)	1:60:B:LEU:H	1:80:B:GLN:H	3	0.24	0.11	0.25
(1,1280)	1:10:D:THR:H	1:87:D:ALA:H	3	0.24	0.1	0.27
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD11	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD23	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD11	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD23	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD11	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD23	3	0.24	0.11	0.2
(1,1290)	1:11:D:PHE:HE1	1:102:D:CYS:H	3	0.24	0.08	0.23
(1,1290)	1:11:D:PHE:HE2	1:102:D:CYS:H	3	0.24	0.08	0.23
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG11	3	0.23	0.05	0.24
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG12	3	0.23	0.05	0.24
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG13	3	0.23	0.05	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,861)	1:137:B:PHE:H	1:140:B:TYR:H	3	0.22	0.05	0.21
(1,773)	1:96:B:HIS:H	1:99:B:GLY:H	3	0.21	0.11	0.13
(1,1452)	1:60:D:LEU:H	1:81:D:GLY:H	3	0.21	0.07	0.16
(1,260)	1:69:A:GLY:H	1:70:A:GLU:H	3	0.2	0.06	0.18
(1,1636)	1:121:D:GLY:H	1:123:D:PHE:H	3	0.2	0.08	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD13	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD23	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD13	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD23	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD13	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD23	3	0.19	0.05	0.19
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD23	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD23	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD23	3	0.19	0.08	0.14
(1,101)	1:33:A:GLN:H	1:34:A:LYS:H	3	0.18	0.09	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,597)	1:51:B:LEU:H	1:57:B:GLU:H	3	0.17	0.06	0.15
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD13	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD13	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD13	3	0.17	0.04	0.19
(1,116)	1:39:A:GLU:H	1:40:A:VAL:H	3	0.17	0.03	0.18
(1,593)	1:51:B:LEU:H	1:55:B:VAL:H	3	0.17	0.05	0.14
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD11	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD13	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD11	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD13	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD11	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD13	3	0.17	0.02	0.16
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB3	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB3	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB3	3	0.16	0.05	0.13
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD13	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD13	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD13	3	0.16	0.01	0.16
(1,209)	1:60:A:LEU:H	1:82:A:GLY:H	3	0.16	0.03	0.17
(1,1472)	1:64:D:VAL:H	1:65:D:THR:H	3	0.15	0.03	0.14
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE1	3	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE3	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE1	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE3	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE1	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE3	3	0.15	0.02	0.16
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE3	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE3	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE3	3	0.15	0.04	0.15
(1,520)	1:34:B:LYS:H	1:35:B:ASP:H	3	0.15	0.02	0.16
(1,928)	1:22:C:SER:H	1:79:C:GLN:H	3	0.15	0.02	0.14
(1,780)	1:98:B:LEU:H	1:101:B:TYR:H	3	0.14	0.02	0.15
(1,683)	1:66:B:ALA:H	1:73:B:ALA:H	3	0.14	0.02	0.14
(1,1413)	1:51:D:LEU:H	1:55:D:VAL:H	3	0.14	0.04	0.12
(1,238)	1:66:A:ALA:H	1:67:A:SER:H	3	0.13	0.03	0.11
(1,1202)	1:109:C:TYR:H	1:110:C:ALA:H	3	0.13	0.01	0.14
(1,1562)	1:92:D:THR:H	1:93:D:GLN:H	3	0.13	0.03	0.12
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB3	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB3	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB3	3	0.13	0.01	0.14
(1,1074)	1:62:C:VAL:H	1:78:C:VAL:H	3	0.12	0.01	0.12
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD11	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD13	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD11	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD13	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD11	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD13	3	0.12	0.01	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD21	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD22	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD23	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD21	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD22	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD23	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD21	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD22	3	0.12	0.02	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD23	3	0.12	0.02	0.11
(1,345)	1:99:A:GLY:H	1:101:A:TYR:H	3	0.11	0.01	0.12
(1,398)	1:126:A:LEU:HD11	1:127:A:ASN:H	2	0.81	0.13	0.81
(1,398)	1:126:A:LEU:HD12	1:127:A:ASN:H	2	0.81	0.13	0.81
(1,398)	1:126:A:LEU:HD13	1:127:A:ASN:H	2	0.81	0.13	0.81
(1,953)	1:31:C:VAL:HG11	1:32:C:PHE:H	2	0.81	0.18	0.81
(1,953)	1:31:C:VAL:HG12	1:32:C:PHE:H	2	0.81	0.18	0.81
(1,953)	1:31:C:VAL:HG13	1:32:C:PHE:H	2	0.81	0.18	0.81
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD11	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD13	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD11	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD13	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD11	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD13	2	0.78	0.26	0.78
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE2	2	0.76	0.58	0.76
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE2	2	0.76	0.58	0.76
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE2	2	0.76	0.58	0.76
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD13	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD13	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD13	2	0.68	0.55	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD23	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD23	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD23	2	0.67	0.31	0.67
(1,1172)	1:90:C:GLU:H	1:93:C:GLN:H	2	0.54	0.04	0.54
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD11	2	0.52	0.05	0.52
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD12	2	0.52	0.05	0.52
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD13	2	0.52	0.05	0.52
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD11	2	0.52	0.05	0.52
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD12	2	0.52	0.05	0.52
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD13	2	0.52	0.05	0.52
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD2	2	0.52	0.14	0.52
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD2	2	0.52	0.14	0.52
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD2	2	0.52	0.14	0.52
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD13	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD13	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD13	2	0.46	0.04	0.46
(1,403)	1:129:A:ALA:HB1	1:13:C:ILE:H	2	0.44	0.03	0.44
(1,403)	1:129:A:ALA:HB2	1:13:C:ILE:H	2	0.44	0.03	0.44
(1,403)	1:129:A:ALA:HB3	1:13:C:ILE:H	2	0.44	0.03	0.44
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD11	2	0.42	0.01	0.42
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD12	2	0.42	0.01	0.42
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD13	2	0.42	0.01	0.42
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE1	2	0.4	0.18	0.4
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE2	2	0.4	0.18	0.4
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE1	2	0.4	0.18	0.4
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE2	2	0.4	0.18	0.4
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE1	2	0.4	0.18	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE2	2	0.4	0.18	0.4
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE1	2	0.36	0.26	0.36
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE2	2	0.36	0.26	0.36
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE1	2	0.36	0.26	0.36
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE2	2	0.36	0.26	0.36
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE1	2	0.36	0.26	0.36
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE2	2	0.36	0.26	0.36
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD13	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD13	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD13	2	0.36	0.23	0.36
(1,194)	1:58:A:VAL:H	1:82:A:GLY:H	2	0.35	0.0	0.35
(1,1355)	1:32:D:PHE:HD1	1:33:D:GLN:H	2	0.33	0.11	0.33
(1,1355)	1:32:D:PHE:HD2	1:33:D:GLN:H	2	0.33	0.11	0.33
(1,1594)	1:100:D:ALA:HB1	1:133:D:PHE:H	2	0.33	0.02	0.33
(1,1594)	1:100:D:ALA:HB2	1:133:D:PHE:H	2	0.33	0.02	0.33
(1,1594)	1:100:D:ALA:HB3	1:133:D:PHE:H	2	0.33	0.02	0.33
(1,99)	1:32:A:PHE:H	1:34:A:LYS:H	2	0.32	0.04	0.32
(1,764)	1:94:B:MET:H	1:97:B:CYS:H	2	0.3	0.1	0.3
(1,1673)	1:140:D:TYR:HD1	1:141:D:LEU:H	2	0.3	0.08	0.3
(1,1673)	1:140:D:TYR:HD2	1:141:D:LEU:H	2	0.3	0.08	0.3
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG11	2	0.28	0.12	0.28
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG12	2	0.28	0.12	0.28
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG13	2	0.28	0.12	0.28
(1,1652)	1:134:D:ASP:H	1:137:D:PHE:H	2	0.27	0.04	0.27
(1,9)	1:11:A:PHE:HE1	1:12:A:GLN:H	2	0.26	0.08	0.26
(1,9)	1:11:A:PHE:HE2	1:12:A:GLN:H	2	0.26	0.08	0.26
(1,680)	1:65:B:THR:H	1:76:B:CYS:H	2	0.26	0.16	0.26
(1,847)	1:134:B:ASP:H	1:137:B:PHE:H	2	0.26	0.11	0.26
(1,1646)	1:133:D:PHE:H	1:134:D:ASP:H	2	0.26	0.08	0.26
(1,1016)	1:49:C:SER:H	1:59:C:VAL:H	2	0.25	0.03	0.25
(1,239)	1:66:A:ALA:H	1:73:A:ALA:H	2	0.24	0.02	0.24
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD12	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD13	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD12	2	0.24	0.12	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD13	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD12	2	0.24	0.12	0.24
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD13	2	0.24	0.12	0.24
(1,463)	1:14:B:GLN:H	1:85:B:SER:H	2	0.22	0.11	0.22
(1,1367)	1:40:D:VAL:HG11	1:41:D:LYS:H	2	0.22	0.02	0.22
(1,1367)	1:40:D:VAL:HG12	1:41:D:LYS:H	2	0.22	0.02	0.22
(1,1367)	1:40:D:VAL:HG13	1:41:D:LYS:H	2	0.22	0.02	0.22
(1,1393)	1:45:D:ASP:H	1:61:D:ARG:H	2	0.22	0.05	0.22
(1,784)	1:99:B:GLY:H	1:101:B:TYR:H	2	0.22	0.02	0.22
(1,120)	1:39:A:GLU:H	1:69:A:GLY:H	2	0.21	0.05	0.21
(1,542)	1:42:B:LEU:H	1:65:B:THR:H	2	0.2	0.08	0.2
(1,1206)	1:110:C:ALA:H	1:112:C:GLU:H	2	0.2	0.1	0.2
(1,1190)	1:97:C:CYS:H	1:99:C:GLY:H	2	0.18	0.02	0.18
(1,1670)	1:139:D:ASN:H	1:140:D:TYR:H	2	0.18	0.01	0.18
(1,891)	1:14:C:GLN:H	1:15:C:ARG:H	2	0.18	0.02	0.18
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD23	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD23	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD23	2	0.18	0.03	0.18
(1,916)	1:20:C:ASP:H	1:79:C:GLN:H	2	0.17	0.06	0.17
(1,1138)	1:77:C:GLU:H	1:78:C:VAL:H	2	0.17	0.03	0.17
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG21	2	0.17	0.07	0.17
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG22	2	0.17	0.07	0.17
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG23	2	0.17	0.07	0.17
(1,1327)	1:23:D:PHE:HD1	1:24:D:GLU:H	2	0.17	0.01	0.17
(1,1327)	1:23:D:PHE:HD2	1:24:D:GLU:H	2	0.17	0.01	0.17
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG23	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG23	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG23	2	0.17	0.04	0.17
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD21	2	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD23	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD21	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD23	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD21	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD23	2	0.16	0.04	0.16
(1,1571)	1:95:D:ALA:H	1:97:D:CYS:H	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD23	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD23	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD23	2	0.16	0.04	0.16
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB3	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB3	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB3	2	0.16	0.02	0.16
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG11	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG12	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG13	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG11	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG12	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG13	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG11	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG12	2	0.15	0.04	0.15
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG13	2	0.15	0.04	0.15
(1,1182)	1:94:C:MET:H	1:97:C:CYS:H	2	0.14	0.01	0.14
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG12	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG13	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG12	2	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG13	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG12	2	0.14	0.03	0.14
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG13	2	0.14	0.03	0.14
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD13	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD13	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD13	2	0.14	0.02	0.14
(1,430)	1:139:A:ASN:H	1:140:A:TYR:H	2	0.14	0.01	0.14
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE3	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE3	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE3	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD21	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD23	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD21	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD23	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD21	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD23	2	0.14	0.02	0.14
(1,482)	1:20:B:ASP:H	1:81:B:GLY:H	2	0.13	0.01	0.13
(1,487)	1:21:B:ILE:HD11	1:79:B:GLN:H	2	0.13	0.01	0.13
(1,487)	1:21:B:ILE:HD12	1:79:B:GLN:H	2	0.13	0.01	0.13
(1,487)	1:21:B:ILE:HD13	1:79:B:GLN:H	2	0.13	0.01	0.13
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD21	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD22	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD23	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD21	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD22	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD23	2	0.13	0.03	0.13

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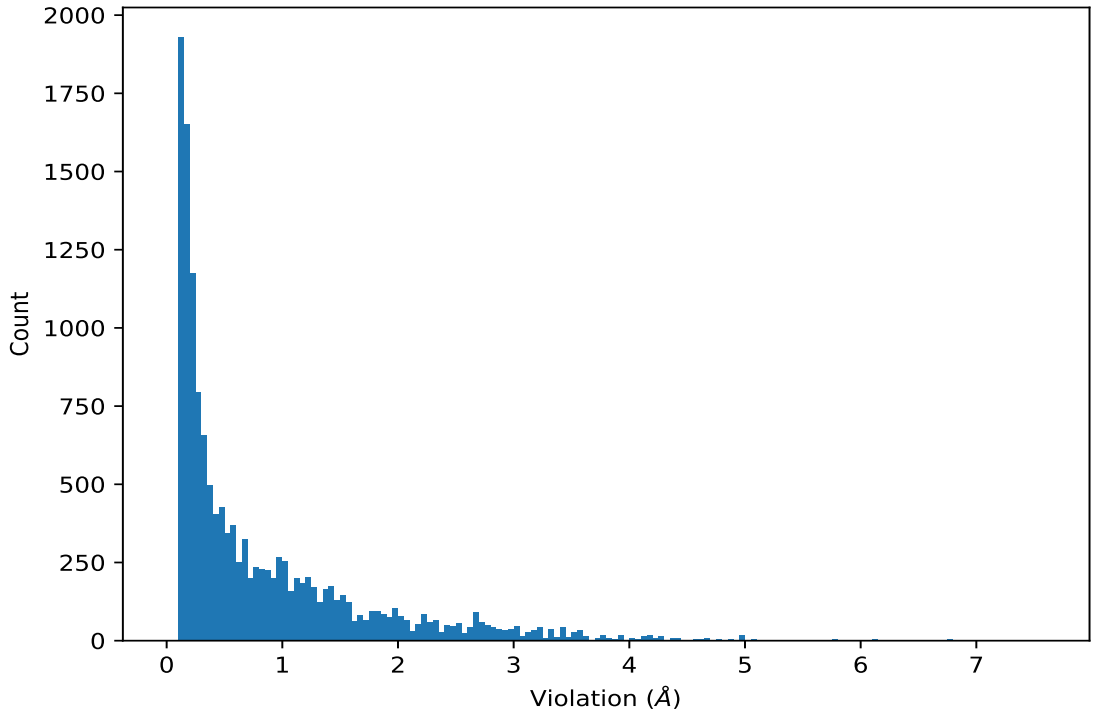
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD21	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD22	2	0.13	0.03	0.13
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD23	2	0.13	0.03	0.13
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE1	2	0.13	0.02	0.13
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE2	2	0.13	0.02	0.13
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE3	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE3	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE3	2	0.12	0.01	0.12
(1,592)	1:51:B:LEU:H	1:52:B:ALA:H	2	0.12	0.01	0.12
(1,969)	1:39:C:GLU:H	1:40:C:VAL:H	2	0.12	0.02	0.12
(1,350)	1:101:A:TYR:H	1:102:A:CYS:H	2	0.12	0.0	0.12
(1,318)	1:92:A:THR:H	1:95:A:ALA:H	2	0.11	0.0	0.11
(1,917)	1:20:C:ASP:H	1:81:C:GLY:H	2	0.11	0.0	0.11

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



9.5.2 Table : All distance violations (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	1	7.6
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	1	7.6
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	1	7.6
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	1	7.51
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	1	7.51
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	1	7.51
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	1	7.16
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	3	6.78
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	3	6.78
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	3	6.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	11	6.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	11	6.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	11	6.78
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	10	6.34
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	7	6.24
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	7	6.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	7	6.24
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	16	6.1
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	16	6.1
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	16	6.1
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	16	6.1
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	16	6.1
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	16	6.1
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	3	6.08
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	19	6.06
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	14	6.0
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	19	5.82
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	19	5.82
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	19	5.82
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	4	5.75
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	4	5.75
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	4	5.75
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	4	5.75
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	4	5.75
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	4	5.75
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	7	5.45
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	7	5.45
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	7	5.45
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	5	5.4
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	5	5.4
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	5	5.4
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	8	5.37
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	8	5.37
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	8	5.37
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	3	5.26
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	3	5.26
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	3	5.26
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	18	5.09
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	18	5.09
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	18	5.09
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	14	5.05
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	14	5.05
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	14	5.05
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	3	5.03
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	7	4.99
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	7	4.99
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	7	4.99
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	3	4.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	3	4.98
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	3	4.98
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	11	4.95
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	11	4.95
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	11	4.95
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	11	4.95
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	11	4.95
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	11	4.95
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	11	4.95
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	11	4.95
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	11	4.95
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	7	4.95
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	2	4.88
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	2	4.88
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	2	4.88
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	2	4.88
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	2	4.88
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	2	4.88
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	20	4.8
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	20	4.8
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	20	4.8
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	19	4.78
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	17	4.78
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	17	4.78
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	17	4.78
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	6	4.67
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	6	4.67
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	6	4.67
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	13	4.66
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	13	4.66
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	13	4.66
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	13	4.66
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	13	4.66
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	13	4.66
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	18	4.63
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	18	4.62
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	18	4.62
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	18	4.62
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	19	4.59
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	19	4.59
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	19	4.59
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	17	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	19	4.44
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	19	4.44
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	19	4.44
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	19	4.44
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	19	4.44
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	19	4.44
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	19	4.44
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	19	4.44
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	19	4.44
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	8	4.39
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	8	4.39
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	8	4.39
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	20	4.36
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	20	4.36
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	20	4.36
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	4	4.35
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	4	4.35
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	4	4.35
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	18	4.33
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	18	4.33
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	18	4.33
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	8	4.29
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	4	4.28
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	4	4.28
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	4	4.28
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	4	4.28
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	4	4.28
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	4	4.28
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	11	4.26
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	11	4.26
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	11	4.26
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	11	4.26
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	11	4.26
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	11	4.26
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	12	4.24
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	12	4.24
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	12	4.24
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	12	4.24
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	12	4.24
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	12	4.24
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	6	4.24
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	6	4.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	6	4.24
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	19	4.19
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	19	4.19
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	19	4.19
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	20	4.19
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	20	4.19
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	20	4.19
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	20	4.19
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	20	4.19
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	20	4.19
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	20	4.19
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	20	4.19
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	20	4.19
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	5	4.15
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	19	4.15
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	19	4.15
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	19	4.15
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	13	4.13
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	13	4.13
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	13	4.13
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	13	4.13
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	13	4.13
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	13	4.13
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	13	4.13
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	13	4.13
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	13	4.13
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	16	4.12
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	18	4.12
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	18	4.12
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	18	4.12
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	10	4.11
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	10	4.11
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	14	4.09
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	14	4.09
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	14	4.09
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	5	4.05
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	5	4.05
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	5	4.05
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	7	4.03
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	7	4.03
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	7	4.03
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	7	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	7	4.03
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	7	4.03
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	7	4.03
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	7	4.03
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	7	4.03
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	14	3.94
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	14	3.94
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	14	3.94
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	14	3.94
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	14	3.94
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	14	3.94
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	10	3.93
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	10	3.93
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	10	3.93
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	4	3.93
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	4	3.93
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	4	3.93
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	3	3.91
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	3	3.91
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	3	3.91
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	1	3.9
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	1	3.9
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	1	3.9
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	11	3.88
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	11	3.88
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	11	3.88
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	17	3.87
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	17	3.87
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	17	3.87
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	1	3.83
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	1	3.83
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	1	3.83
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	11	3.81
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	11	3.81
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	11	3.81
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	11	3.81
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	11	3.81
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	11	3.81
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	13	3.79
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	13	3.79
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	13	3.79
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	13	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	13	3.79
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	13	3.79
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	13	3.79
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	13	3.79
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	13	3.79
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	16	3.75
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	16	3.75
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	16	3.75
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	17	3.75
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	17	3.75
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	17	3.75
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	18	3.75
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	18	3.75
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	18	3.75
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	6	3.73
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	6	3.73
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	6	3.73
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	6	3.73
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	6	3.73
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	6	3.73
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	8	3.7
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	8	3.7
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	8	3.7
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	18	3.64
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	18	3.64
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	18	3.64
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	18	3.64
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	18	3.64
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	18	3.64
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	18	3.64
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	18	3.64
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	18	3.64
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	13	3.62
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	13	3.62
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	13	3.62
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	11	3.61
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	11	3.61
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	11	3.61
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	2	3.59
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	2	3.59
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	2	3.59
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	2	3.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	2	3.59
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	2	3.59
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	2	3.59
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	2	3.59
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	2	3.59
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	18	3.57
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	18	3.57
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	18	3.57
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	18	3.57
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	18	3.57
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	18	3.57
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	18	3.57
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	18	3.57
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	18	3.57
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	20	3.57
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	20	3.57
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	20	3.57
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	5	3.57
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	5	3.57
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	5	3.56
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	5	3.56
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	5	3.56
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	5	3.56
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	5	3.56
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	5	3.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	5	3.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	5	3.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	5	3.56
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	4	3.54
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	4	3.54
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	4	3.54
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	5	3.54
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	5	3.54
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	5	3.54
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	5	3.54
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	5	3.54
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	5	3.54
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	3	3.51
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	3	3.51
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	3	3.51
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	3	3.51
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	3	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	3	3.51
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	3	3.51
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	3	3.51
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	3	3.51
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	17	3.5
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	17	3.5
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	11	3.5
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	11	3.5
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	11	3.5
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	11	3.5
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	11	3.5
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	11	3.5
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	1	3.47
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	1	3.47
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	1	3.47
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	6	3.47
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	6	3.47
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	6	3.47
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	5	3.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	5	3.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	5	3.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	8	3.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	8	3.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	8	3.46
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	20	3.44
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	20	3.44
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	20	3.44
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	20	3.44
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	20	3.44
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	20	3.44
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	20	3.44
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	20	3.44
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	20	3.44
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	6	3.44
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	6	3.44
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	6	3.44
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	19	3.43
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	19	3.43
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	19	3.43
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	19	3.43
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	19	3.43
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	19	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	19	3.43
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	19	3.43
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	19	3.43
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	13	3.42
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	13	3.42
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	13	3.42
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	7	3.41
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	7	3.41
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	7	3.41
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	1	3.4
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	1	3.4
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	1	3.4
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	3	3.4
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	3	3.4
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	3	3.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	17	3.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	17	3.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	17	3.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	17	3.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	17	3.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	17	3.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	17	3.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	17	3.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	17	3.4
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	6	3.39
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	6	3.39
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	17	3.39
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	17	3.39
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	17	3.39
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	17	3.39
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	17	3.39
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	17	3.39
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	18	3.35
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	18	3.35
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	18	3.35
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	13	3.33
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	13	3.33
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	13	3.33
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	2	3.33
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	20	3.32
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	20	3.32
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	20	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	20	3.32
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	20	3.32
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	20	3.32
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	19	3.32
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	19	3.32
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	19	3.32
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	19	3.32
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	19	3.32
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	19	3.32
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	6	3.31
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	6	3.31
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	6	3.31
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	6	3.31
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	6	3.31
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	6	3.31
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	6	3.31
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	6	3.31
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	6	3.31
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	4	3.3
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	4	3.3
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	4	3.3
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	19	3.3
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	19	3.3
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	19	3.3
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	19	3.3
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	19	3.3
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	19	3.3
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	19	3.3
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	19	3.3
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	19	3.3
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	12	3.29
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	12	3.29
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	1	3.28
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	1	3.28
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	7	3.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	7	3.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	7	3.27
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	4	3.24
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	4	3.24
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	4	3.24
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	4	3.24
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	4	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	4	3.24
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	11	3.24
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	11	3.24
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	11	3.24
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	11	3.24
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	11	3.24
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	11	3.24
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	13	3.24
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	13	3.24
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	13	3.24
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	13	3.24
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	13	3.24
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	13	3.24
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	13	3.24
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	13	3.24
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	13	3.24
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	7	3.24
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	7	3.24
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	7	3.24
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	7	3.24
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	7	3.24
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	7	3.24
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	16	3.23
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	16	3.23
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	10	3.23
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	10	3.23
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	10	3.23
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	10	3.23
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	10	3.23
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	10	3.23
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	1	3.2
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	1	3.2
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	1	3.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	1	3.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	1	3.2
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	1	3.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	1	3.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	1	3.2
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	1	3.2
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	1	3.19
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	1	3.19
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	1	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	2	3.18
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	2	3.18
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	2	3.18
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	4	3.17
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	4	3.17
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	4	3.17
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	4	3.17
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	4	3.17
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	4	3.17
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	6	3.16
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	6	3.16
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	6	3.16
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	6	3.16
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	6	3.16
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	6	3.16
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	6	3.16
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	6	3.16
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	6	3.16
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	6	3.16
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	6	3.16
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	6	3.16
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	6	3.16
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	6	3.16
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	6	3.16
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	6	3.16
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	6	3.16
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	6	3.16
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	7	3.15
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	7	3.15
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	7	3.15
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	12	3.13
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	12	3.13
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	12	3.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	12	3.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	12	3.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	12	3.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	12	3.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	12	3.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	12	3.13
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	11	3.11
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	11	3.11
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	14	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	14	3.11
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	14	3.11
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	14	3.11
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	14	3.11
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	14	3.11
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	14	3.11
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	14	3.11
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	14	3.11
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	3	3.11
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	3	3.11
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	3	3.11
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	3	3.11
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	3	3.11
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	3	3.11
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	3	3.09
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	3	3.09
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	3	3.09
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	3	3.09
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	3	3.09
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	3	3.09
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	3	3.09
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	3	3.09
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	3	3.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	19	3.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	19	3.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	19	3.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	17	3.08
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	17	3.08
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	17	3.08
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	16	3.04
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	16	3.04
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	16	3.04
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	16	3.04
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	16	3.04
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	16	3.04
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	19	3.02
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	19	3.02
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	19	3.02
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	19	3.02
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	19	3.02
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	19	3.02
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	19	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	19	3.02
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	19	3.02
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	16	3.02
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	16	3.02
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	16	3.02
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	16	3.02
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	16	3.02
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	16	3.02
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	16	3.02
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	16	3.02
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	16	3.02
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	16	3.02
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	16	3.02
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	16	3.0
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	16	3.0
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	16	3.0
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	16	3.0
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	16	3.0
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	16	3.0
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	1	3.0
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	1	3.0
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	1	3.0
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	1	3.0
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	1	3.0
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	1	3.0
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	1	3.0
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	1	3.0
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	1	3.0
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	12	3.0
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	12	3.0
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	12	3.0
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	12	3.0
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	12	3.0
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	12	3.0
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	19	2.99
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	19	2.99
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	19	2.99
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	19	2.99
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	19	2.99
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	19	2.99
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	19	2.99
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	19	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	19	2.99
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	19	2.97
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	19	2.97
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	19	2.97
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	19	2.97
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	19	2.97
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	19	2.97
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	19	2.97
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	19	2.97
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	19	2.97
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	19	2.97
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	19	2.97
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	19	2.97
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	19	2.97
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	19	2.97
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	19	2.97
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	1	2.97
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	1	2.97
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	1	2.97
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	15	2.97
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	15	2.97
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	15	2.97
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	15	2.97
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	15	2.97
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	15	2.97
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	15	2.97
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	15	2.97
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	15	2.97
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	1	2.94
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	1	2.94
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	1	2.94
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	1	2.94
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	1	2.94
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	1	2.94
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	1	2.94
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	1	2.94
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	1	2.94
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	18	2.93
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	18	2.93
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	18	2.93
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	13	2.93
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	13	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	3	2.91
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	3	2.91
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	3	2.91
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	3	2.91
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	3	2.91
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	3	2.91
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	1	2.91
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	1	2.91
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	1	2.91
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	1	2.91
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	1	2.91
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	1	2.91
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	1	2.91
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	1	2.91
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	1	2.91
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	12	2.9
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	12	2.9
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	12	2.9
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	18	2.89
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	18	2.89
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	18	2.89
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	18	2.89
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	18	2.89
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	18	2.89
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	20	2.89
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	20	2.89
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	20	2.89
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	20	2.89
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	20	2.89
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	20	2.89
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	10	2.87
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	10	2.87
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	10	2.87
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	10	2.87
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	10	2.87
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	10	2.87
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	4	2.87
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	5	2.85
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	5	2.85
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	5	2.85
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	5	2.85
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	5	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	5	2.85
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	20	2.85
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	20	2.85
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	20	2.85
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	20	2.85
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	20	2.85
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	20	2.85
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	20	2.85
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	20	2.85
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	20	2.85
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	6	2.85
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	6	2.85
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	1	2.84
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	1	2.84
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	1	2.84
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	1	2.84
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	1	2.84
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	1	2.84
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	1	2.84
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	1	2.84
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	1	2.84
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	6	2.84
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	6	2.84
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	6	2.84
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	6	2.84
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	6	2.84
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	6	2.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	14	2.82
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	14	2.82
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	14	2.82
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	14	2.82
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	14	2.82
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	14	2.82
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	14	2.82
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	14	2.82
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	14	2.82
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	20	2.82
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	20	2.82
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	20	2.82
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	17	2.81
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	17	2.81
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	17	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	17	2.81
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	17	2.81
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	17	2.81
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	17	2.81
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	17	2.81
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	17	2.81
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	12	2.8
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	12	2.8
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	12	2.8
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	12	2.8
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	12	2.8
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	12	2.8
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	8	2.78
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	8	2.78
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	8	2.78
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	11	2.78
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	11	2.78
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	11	2.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	4	2.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	4	2.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	4	2.78
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	2	2.77
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	2	2.77
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	2	2.77
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	2	2.77
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	2	2.77
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	2	2.77
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	1	2.76
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	1	2.76
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	1	2.76
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	1	2.76
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	1	2.76
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	1	2.76
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	1	2.76
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	1	2.76
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	1	2.76
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	20	2.76
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	20	2.76
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	20	2.76
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	20	2.76
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	20	2.76
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	20	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	13	2.76
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	13	2.76
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	13	2.76
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	13	2.76
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	13	2.76
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	13	2.76
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	13	2.76
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	13	2.76
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	13	2.76
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	7	2.75
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	7	2.75
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	7	2.75
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	7	2.75
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	7	2.75
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	7	2.75
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	7	2.75
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	7	2.75
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	7	2.75
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	17	2.74
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	17	2.74
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	17	2.74
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	12	2.73
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	17	2.73
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	17	2.73
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	17	2.73
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	17	2.73
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	17	2.73
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	17	2.73
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	6	2.72
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	6	2.72
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	6	2.72
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	6	2.72
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	6	2.72
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	6	2.72
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	6	2.72
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	6	2.72
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	6	2.72
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	10	2.72
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	10	2.72
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	10	2.72
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	16	2.71
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	16	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	16	2.71
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	18	2.71
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	18	2.71
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	18	2.71
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	7	2.71
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	7	2.71
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	7	2.71
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	7	2.71
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	7	2.71
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	7	2.71
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	7	2.71
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	7	2.71
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	7	2.71
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	11	2.7
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	11	2.7
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	11	2.7
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	11	2.7
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	11	2.7
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	11	2.7
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	6	2.7
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	6	2.7
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	6	2.7
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	6	2.7
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	6	2.7
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	6	2.7
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	6	2.7
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	6	2.7
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	6	2.7
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	14	2.7
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	14	2.7
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	14	2.7
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	14	2.7
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	14	2.7
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	14	2.7
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	1	2.69
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	1	2.69
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	1	2.69
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	1	2.69
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	1	2.69
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	1	2.69
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	1	2.69
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	1	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	1	2.69
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	7	2.69
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	7	2.69
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	7	2.69
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	15	2.68
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	15	2.68
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	15	2.68
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	7	2.68
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	7	2.68
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	7	2.68
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	7	2.68
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	7	2.68
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	7	2.68
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	7	2.68
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	7	2.68
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	7	2.68
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	20	2.68
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	20	2.68
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	20	2.68
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	20	2.68
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	20	2.68
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	20	2.68
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	20	2.68
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	20	2.68
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	20	2.68
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	4	2.68
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	4	2.68
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	4	2.68
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	13	2.68
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	13	2.68
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	13	2.68
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	13	2.68
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	13	2.68
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	13	2.68
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD21	3	2.67
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD22	3	2.67
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD23	3	2.67
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD21	3	2.67
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD22	3	2.67
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD23	3	2.67
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD21	3	2.67
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD22	3	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD23	3	2.67
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	18	2.67
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	18	2.67
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	18	2.67
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	18	2.67
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	18	2.67
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	18	2.67
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	18	2.66
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	18	2.66
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	18	2.66
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	18	2.66
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	18	2.66
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	18	2.66
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	2	2.66
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	2	2.66
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	2	2.66
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	2	2.66
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	2	2.66
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	2	2.66
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	2	2.66
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	2	2.66
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	2	2.66
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	2	2.66
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	2	2.66
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	2	2.66
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	3	2.65
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	3	2.65
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	3	2.65
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	3	2.65
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	3	2.65
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	3	2.65
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	16	2.65
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	16	2.65
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	16	2.65
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	16	2.65
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	16	2.65
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	16	2.65
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	16	2.65
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	16	2.65
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	16	2.65
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	17	2.63
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	17	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	17	2.63
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	17	2.63
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	17	2.63
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	17	2.63
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	12	2.63
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	12	2.63
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	12	2.63
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	18	2.63
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	18	2.63
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	18	2.63
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	18	2.63
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	18	2.63
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	18	2.63
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	18	2.63
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	18	2.63
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	18	2.63
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	4	2.63
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	4	2.63
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	4	2.63
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	4	2.63
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	4	2.63
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	4	2.63
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	12	2.62
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	12	2.62
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	12	2.62
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	12	2.62
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	12	2.62
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	12	2.62
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	12	2.62
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	12	2.62
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	12	2.62
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	3	2.62
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	3	2.62
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	3	2.62
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	3	2.62
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	3	2.62
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	3	2.62
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	19	2.61
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	19	2.61
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	19	2.61
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	18	2.59
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	18	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	18	2.59
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	18	2.59
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	18	2.59
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	18	2.59
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	3	2.58
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	3	2.58
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	3	2.58
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	17	2.58
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	17	2.58
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	17	2.58
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	3	2.57
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	3	2.57
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	3	2.57
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	3	2.57
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	3	2.57
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	3	2.57
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	6	2.57
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	6	2.57
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	6	2.57
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	15	2.55
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	15	2.55
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	15	2.55
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	4	2.54
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	4	2.54
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	4	2.54
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	4	2.54
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	4	2.54
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	4	2.54
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	16	2.54
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	16	2.54
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	16	2.54
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	16	2.54
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	16	2.54
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	16	2.54
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	16	2.54
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	16	2.54
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	16	2.54
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	18	2.54
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	18	2.54
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	18	2.54
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	8	2.53
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	8	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	8	2.53
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	8	2.53
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	8	2.53
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	8	2.53
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	2	2.53
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	2	2.53
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	2	2.53
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	2	2.53
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	2	2.53
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	2	2.53
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	3	2.52
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	3	2.52
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	3	2.52
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	3	2.52
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	3	2.52
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	3	2.52
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	3	2.52
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	3	2.52
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	3	2.52
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	13	2.52
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	13	2.52
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	13	2.52
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	13	2.52
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	13	2.52
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	13	2.52
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	13	2.52
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	13	2.52
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	13	2.52
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	20	2.52
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	20	2.52
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	20	2.52
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	20	2.52
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	20	2.52
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	20	2.52
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	8	2.52
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	8	2.52
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	8	2.52
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	19	2.49
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	19	2.49
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	19	2.49
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	19	2.49
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	19	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	19	2.49
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	7	2.48
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	7	2.48
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	7	2.48
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	7	2.48
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	7	2.48
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	7	2.48
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	7	2.48
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	7	2.48
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	7	2.48
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	1	2.47
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	1	2.47
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	1	2.47
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	1	2.47
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	1	2.47
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	1	2.47
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	19	2.47
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	19	2.47
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	19	2.47
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	19	2.47
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	19	2.47
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	19	2.47
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	19	2.46
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	19	2.46
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	19	2.46
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	19	2.46
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	19	2.46
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	19	2.46
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	13	2.46
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	13	2.46
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	13	2.46
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	13	2.46
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	13	2.46
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	13	2.46
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	16	2.46
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	14	2.46
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	14	2.46
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	14	2.46
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	14	2.46
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	14	2.46
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	14	2.46
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	18	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	18	2.43
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	18	2.43
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	4	2.43
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	4	2.43
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	4	2.43
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	4	2.43
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	4	2.43
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	4	2.43
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	4	2.43
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	4	2.43
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	4	2.43
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	5	2.43
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	5	2.43
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	5	2.43
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	18	2.43
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	18	2.43
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	18	2.43
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	18	2.43
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	18	2.43
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	18	2.43
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	18	2.43
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	18	2.43
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	18	2.43
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	3	2.42
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	3	2.42
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	3	2.42
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	3	2.42
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	3	2.42
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	3	2.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	20	2.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	20	2.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	20	2.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	20	2.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	20	2.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	20	2.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	20	2.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	20	2.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	20	2.42
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	5	2.42
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	5	2.42
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	5	2.42
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	5	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	5	2.42
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	5	2.42
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	16	2.42
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	16	2.42
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	16	2.42
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	19	2.41
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	19	2.41
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	19	2.41
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	5	2.39
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	5	2.39
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	5	2.39
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	5	2.39
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	5	2.39
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	5	2.39
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	7	2.39
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	6	2.39
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	6	2.39
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	6	2.39
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	6	2.38
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	6	2.38
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	6	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	10	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	10	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	10	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	20	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	20	2.38
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	20	2.38
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	11	2.37
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	11	2.37
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	11	2.37
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	11	2.37
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	11	2.37
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	11	2.37
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	17	2.35
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	11	2.34
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	11	2.34
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	11	2.34
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	11	2.34
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	11	2.34
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	11	2.34
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	11	2.34
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	11	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	11	2.34
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	6	2.34
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	6	2.34
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	6	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	6	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	6	2.34
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	6	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	6	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	6	2.34
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	6	2.34
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	2	2.34
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	2	2.34
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	2	2.34
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	1	2.34
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	1	2.34
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	1	2.34
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	1	2.34
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	1	2.34
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	1	2.34
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	11	2.33
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	11	2.33
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	11	2.33
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	11	2.33
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	11	2.33
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	11	2.33
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	12	2.33
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	12	2.33
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	12	2.33
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	7	2.32
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	7	2.32
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	7	2.32
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	16	2.32
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	16	2.32
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	16	2.32
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	16	2.32
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	16	2.32
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	16	2.32
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	7	2.3
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	7	2.3
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	7	2.3
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	7	2.3
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	7	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	7	2.3
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	13	2.3
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	13	2.3
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	13	2.3
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	13	2.3
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	13	2.3
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	13	2.3
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	6	2.3
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	6	2.3
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	6	2.3
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	6	2.3
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	6	2.3
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	6	2.3
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	6	2.3
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	6	2.3
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	6	2.3
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	13	2.29
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	13	2.29
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	13	2.29
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	13	2.29
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	13	2.29
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	13	2.29
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	20	2.29
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	20	2.29
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	20	2.29
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	20	2.29
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	20	2.29
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	20	2.29
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	20	2.29
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	20	2.29
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	20	2.29
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	17	2.28
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	17	2.28
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	17	2.28
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	16	2.28
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	16	2.28
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	16	2.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	16	2.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	16	2.28
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	16	2.28
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	16	2.28
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	16	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	16	2.28
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	18	2.28
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	18	2.28
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	18	2.28
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	5	2.27
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	5	2.27
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	5	2.27
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	10	2.27
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	10	2.27
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	10	2.27
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	10	2.27
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	10	2.27
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	10	2.27
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	10	2.27
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	10	2.27
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	10	2.27
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	6	2.27
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	6	2.27
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	6	2.27
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	6	2.27
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	6	2.27
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	6	2.27
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	6	2.27
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	6	2.27
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	6	2.27
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	15	2.27
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	15	2.27
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	15	2.27
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	1	2.25
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	1	2.25
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	1	2.25
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	1	2.25
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	1	2.25
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	1	2.25
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	14	2.24
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	14	2.24
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	14	2.24
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	14	2.24
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	14	2.24
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	14	2.24
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	3	2.23
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	3	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	3	2.23
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	3	2.23
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	3	2.23
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	3	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	3	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	3	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	3	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	7	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	7	2.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	7	2.23
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	10	2.22
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	10	2.22
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	10	2.22
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	10	2.22
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	10	2.22
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	10	2.22
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	7	2.22
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	13	2.22
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	13	2.22
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	13	2.22
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	13	2.22
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	13	2.22
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	13	2.22
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	13	2.22
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	13	2.22
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	13	2.22
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	7	2.22
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	7	2.22
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	7	2.22
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	7	2.22
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	7	2.22
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	7	2.22
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	7	2.22
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	7	2.22
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	7	2.22
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	1	2.21
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	1	2.21
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	1	2.21
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	1	2.21
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	1	2.21
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	1	2.21
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	1	2.21
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	1	2.21
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	10	2.21
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	10	2.21
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	10	2.21
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	12	2.21
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	12	2.21
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	12	2.21
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	12	2.21
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	12	2.21
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	12	2.21
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	12	2.21
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	12	2.21
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	12	2.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	5	2.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	5	2.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	5	2.21
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD21	12	2.2
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD22	12	2.2
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD23	12	2.2
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD21	12	2.2
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD22	12	2.2
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD23	12	2.2
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD21	12	2.2
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD22	12	2.2
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD23	12	2.2
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	5	2.2
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	17	2.2
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	17	2.2
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	17	2.2
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	17	2.2
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	17	2.2
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	17	2.2
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	17	2.2
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	17	2.2
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	17	2.2
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	7	2.19
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	7	2.19
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	7	2.19
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	10	2.18
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	10	2.18
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	17	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	17	2.18
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	17	2.18
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	17	2.18
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	17	2.18
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	17	2.18
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	17	2.18
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	17	2.17
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	17	2.17
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	17	2.17
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	17	2.17
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	17	2.17
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	17	2.17
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	17	2.17
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	17	2.17
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	17	2.17
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	13	2.17
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	13	2.17
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	13	2.17
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	13	2.17
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	13	2.17
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	13	2.17
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	13	2.17
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	13	2.17
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	13	2.17
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	20	2.16
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	20	2.16
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	20	2.16
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	20	2.16
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	20	2.16
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	20	2.16
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	20	2.16
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	20	2.16
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	20	2.16
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	20	2.16
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	20	2.16
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	20	2.16
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	20	2.16
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	20	2.16
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	20	2.16
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	17	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	17	2.15
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	17	2.15
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	13	2.15
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	13	2.15
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	13	2.15
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	19	2.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	4	2.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	4	2.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	4	2.13
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	12	2.12
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	12	2.12
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	12	2.12
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	8	2.12
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	8	2.12
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	8	2.12
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	8	2.12
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	8	2.12
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	8	2.12
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	8	2.11
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	8	2.11
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	8	2.11
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	16	2.11
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	16	2.11
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	16	2.11
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	19	2.11
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	19	2.11
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	19	2.11
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	19	2.1
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	19	2.1
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	19	2.1
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	19	2.1
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	19	2.1
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	19	2.1
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	13	2.1
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	13	2.1
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	12	2.09
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	12	2.09
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	12	2.09
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	12	2.09
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	12	2.09
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	12	2.09
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	13	2.09
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	13	2.09
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	13	2.09
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	13	2.09
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	13	2.09
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	13	2.09
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	13	2.09
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	13	2.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	9	2.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	9	2.09
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	9	2.09
(1,21)	1:13:A:ILE:HD11	1:83:A:ILE:H	20	2.09
(1,21)	1:13:A:ILE:HD12	1:83:A:ILE:H	20	2.09
(1,21)	1:13:A:ILE:HD13	1:83:A:ILE:H	20	2.09
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	18	2.09
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	18	2.09
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	18	2.09
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	18	2.09
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	18	2.09
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	18	2.09
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	7	2.07
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	7	2.07
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	15	2.07
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	15	2.07
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	11	2.06
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	11	2.06
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	11	2.06
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	16	2.06
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	16	2.06
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	16	2.06
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	16	2.06
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	16	2.06
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	16	2.06
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	16	2.06
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	16	2.06
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	16	2.06
(1,886)	1:13:C:ILE:HD11	1:15:C:ARG:H	11	2.06
(1,886)	1:13:C:ILE:HD12	1:15:C:ARG:H	11	2.06
(1,886)	1:13:C:ILE:HD13	1:15:C:ARG:H	11	2.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	4	2.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	4	2.06
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	4	2.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	4	2.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	4	2.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	15	2.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	15	2.06
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	15	2.06
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	15	2.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	15	2.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	15	2.06
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	4	2.06
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	8	2.06
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	8	2.06
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	8	2.06
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	7	2.05
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	7	2.05
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	7	2.05
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	1	2.04
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	1	2.04
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	1	2.04
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	1	2.04
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	1	2.04
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	1	2.04
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	1	2.04
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	1	2.04
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	1	2.04
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	15	2.04
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	15	2.04
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	15	2.04
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	15	2.04
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	15	2.04
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	15	2.04
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	7	2.04
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	7	2.04
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	7	2.04
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	7	2.04
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	7	2.04
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	7	2.04
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	14	2.03
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	14	2.03
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	14	2.03
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	12	2.03
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	12	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	12	2.03
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	12	2.03
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	12	2.03
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	12	2.03
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	11	2.03
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	11	2.03
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	11	2.03
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	7	2.02
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	7	2.02
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	7	2.02
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	7	2.02
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	7	2.02
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	7	2.02
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	7	2.02
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	7	2.02
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	7	2.02
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	6	2.02
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	6	2.02
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	6	2.02
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	6	2.02
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	6	2.02
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	6	2.02
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	18	2.02
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	18	2.02
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	18	2.02
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	18	2.02
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	18	2.02
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	18	2.02
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	2	2.02
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	2	2.02
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	2	2.02
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	8	2.01
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	8	2.01
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	8	2.01
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	10	2.0
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	10	2.0
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	10	2.0
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	10	2.0
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	10	2.0
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	10	2.0
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	10	2.0
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	10	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	10	2.0
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	8	2.0
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	8	2.0
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	8	2.0
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	18	2.0
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	18	2.0
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	18	2.0
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	19	2.0
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	19	2.0
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	19	2.0
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	12	1.99
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	12	1.99
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	12	1.99
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	12	1.99
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	12	1.99
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	12	1.99
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	8	1.99
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	8	1.99
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	8	1.99
(1,965)	1:34:C:LYS:H	1:36:C:TRP:HE1	14	1.99
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	10	1.98
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	10	1.98
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	10	1.98
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	10	1.98
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	10	1.98
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	10	1.98
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	10	1.98
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	10	1.98
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	10	1.98
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	4	1.98
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	4	1.98
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	4	1.98
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	4	1.98
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	4	1.98
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	4	1.98
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	4	1.98
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	4	1.98
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	4	1.98
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	2	1.97
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	2	1.97
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	2	1.97
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	17	1.97
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	17	1.97
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	17	1.97
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	17	1.97
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	17	1.97
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	1	1.97
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	1	1.97
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	1	1.97
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	4	1.96
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	4	1.96
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	4	1.96
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	4	1.96
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	4	1.96
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	4	1.96
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	4	1.96
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	4	1.96
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	4	1.96
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	2	1.96
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	2	1.96
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	2	1.96
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	2	1.96
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	2	1.96
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	2	1.96
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	2	1.96
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	2	1.96
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	2	1.96
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	20	1.96
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	20	1.96
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	20	1.96
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	20	1.96
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	20	1.96
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	20	1.96
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	20	1.96
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	20	1.96
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	20	1.96
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	20	1.96
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	20	1.96
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	20	1.96
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	11	1.96
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	11	1.96
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	11	1.96
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	17	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	17	1.95
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	17	1.95
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	10	1.95
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	10	1.95
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	10	1.95
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	10	1.95
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	10	1.95
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	10	1.95
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	17	1.95
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	17	1.95
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	17	1.95
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	17	1.95
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	17	1.95
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	17	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	5	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	5	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	5	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	8	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	8	1.95
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	8	1.95
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	3	1.95
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	3	1.95
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	3	1.95
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	3	1.95
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	3	1.95
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	3	1.95
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	3	1.95
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	3	1.95
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	3	1.95
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	20	1.94
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	20	1.94
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	20	1.94
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	20	1.94
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	20	1.94
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	20	1.94
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	4	1.94
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	4	1.94
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	4	1.94
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	4	1.94
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	4	1.94
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	4	1.94
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	11	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	11	1.93
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	11	1.93
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	11	1.93
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	11	1.93
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	11	1.93
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	11	1.93
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	11	1.93
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	11	1.93
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	10	1.93
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	10	1.93
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	10	1.93
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	4	1.93
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	4	1.93
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	4	1.93
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	4	1.93
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	4	1.93
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	4	1.93
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	4	1.93
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	4	1.93
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	4	1.93
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	14	1.92
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	14	1.92
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	14	1.92
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	7	1.92
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	7	1.92
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	7	1.92
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	7	1.92
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	7	1.92
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	7	1.92
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	7	1.92
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	7	1.92
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	7	1.92
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	6	1.92
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	6	1.92
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	6	1.92
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	16	1.92
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	16	1.92
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	16	1.92
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	16	1.91
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	16	1.91
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	5	1.91
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	5	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	5	1.91
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	4	1.91
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	4	1.91
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	4	1.91
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	20	1.9
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	20	1.9
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	20	1.9
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	20	1.9
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	20	1.9
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	20	1.9
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	20	1.9
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	20	1.9
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	20	1.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	11	1.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	11	1.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	11	1.9
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	11	1.9
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	11	1.9
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	11	1.9
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	19	1.89
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	19	1.89
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	19	1.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	19	1.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	19	1.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	19	1.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	19	1.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	19	1.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	19	1.89
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	5	1.89
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	5	1.89
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	5	1.89
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	5	1.89
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	5	1.89
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	5	1.89
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	5	1.89
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	5	1.89
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	5	1.89
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	3	1.89
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	3	1.89
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	3	1.89
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	3	1.89
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	3	1.89
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	3	1.89
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	3	1.89
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	3	1.89
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	17	1.89
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	17	1.89
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	17	1.89
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	10	1.88
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	10	1.88
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	10	1.88
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	6	1.88
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	6	1.88
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	6	1.88
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	6	1.87
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	6	1.87
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	6	1.87
(1,1387)	1:44:D:LEU:HD11	1:45:D:ASP:H	3	1.87
(1,1387)	1:44:D:LEU:HD12	1:45:D:ASP:H	3	1.87
(1,1387)	1:44:D:LEU:HD13	1:45:D:ASP:H	3	1.87
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	11	1.87
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	11	1.87
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	11	1.87
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	8	1.87
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	8	1.87
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	8	1.87
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	8	1.87
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	8	1.87
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	8	1.87
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	8	1.87
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	8	1.87
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	8	1.87
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	11	1.87
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	11	1.87
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	11	1.87
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	11	1.87
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	11	1.87
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	11	1.87
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	9	1.86
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	9	1.86
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	9	1.86
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	12	1.86
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	12	1.86
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	12	1.86
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	12	1.86
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	12	1.86
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	3	1.86
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	3	1.86
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	3	1.86
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	3	1.86
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	3	1.86
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	3	1.86
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	11	1.85
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	11	1.85
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	11	1.85
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	5	1.85
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	5	1.85
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	5	1.85
(1,1387)	1:44:D:LEU:HD11	1:45:D:ASP:H	8	1.85
(1,1387)	1:44:D:LEU:HD12	1:45:D:ASP:H	8	1.85
(1,1387)	1:44:D:LEU:HD13	1:45:D:ASP:H	8	1.85
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	5	1.84
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	5	1.84
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	5	1.84
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	5	1.84
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	5	1.84
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	5	1.84
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	5	1.84
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	5	1.84
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	5	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	1	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	1	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	1	1.84
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	1	1.84
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	1	1.84
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	1	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	1	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	1	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	1	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	19	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	19	1.84
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	19	1.84
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	19	1.84
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	19	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	19	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	19	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	19	1.84
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	19	1.84
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	13	1.84
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	13	1.84
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	13	1.84
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	13	1.84
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	13	1.84
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	13	1.84
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	13	1.84
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	13	1.84
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	13	1.84
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	5	1.83
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	5	1.83
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	5	1.83
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	5	1.83
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	5	1.83
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	5	1.83
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	5	1.83
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	5	1.83
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	5	1.83
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	16	1.83
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	16	1.83
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	16	1.83
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	2	1.82
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	2	1.82
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	2	1.82
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	4	1.82
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	4	1.82
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	4	1.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	11	1.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	11	1.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	11	1.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	11	1.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	11	1.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	11	1.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	11	1.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	11	1.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	11	1.82
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	2	1.81
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	2	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	2	1.81
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	2	1.81
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	2	1.81
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	2	1.81
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	1	1.81
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	1	1.81
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	1	1.81
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	1	1.81
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	1	1.81
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	1	1.81
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	2	1.8
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	2	1.8
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	2	1.8
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	2	1.8
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	2	1.8
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	2	1.8
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	2	1.8
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	2	1.8
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	2	1.8
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	1	1.8
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	1	1.8
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	1	1.8
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	1	1.8
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	1	1.8
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	1	1.8
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	1	1.8
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	1	1.8
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	1	1.8
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	17	1.79
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	17	1.79
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	17	1.79
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	17	1.79
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	17	1.79
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	17	1.79
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	17	1.79
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	17	1.79
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	17	1.79
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	18	1.79
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	18	1.79
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	18	1.79
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	19	1.79
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	19	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	19	1.79
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	11	1.78
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	11	1.78
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	11	1.78
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	11	1.78
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	11	1.78
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	11	1.78
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	11	1.78
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	11	1.78
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	11	1.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	2	1.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	2	1.78
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	2	1.78
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	8	1.77
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	8	1.77
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	8	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	8	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	8	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	8	1.77
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	12	1.77
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	12	1.77
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	12	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	12	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	12	1.77
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	12	1.77
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	13	1.77
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	13	1.77
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	13	1.77
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	13	1.77
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	13	1.77
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	13	1.77
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	18	1.77
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	18	1.77
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	18	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	18	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	18	1.77
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	18	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	18	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	18	1.77
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	18	1.77
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	11	1.77
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	11	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	11	1.77
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	11	1.77
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	11	1.77
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	11	1.77
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	5	1.76
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG11	12	1.76
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG12	12	1.76
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG13	12	1.76
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG11	12	1.76
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG12	12	1.76
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG13	12	1.76
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG11	12	1.76
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG12	12	1.76
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG13	12	1.76
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	8	1.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	8	1.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	8	1.75
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	8	1.75
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	8	1.75
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	8	1.75
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	12	1.75
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	12	1.75
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	12	1.75
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	5	1.75
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	5	1.75
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	18	1.75
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	18	1.75
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	18	1.75
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	18	1.75
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	18	1.75
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	18	1.75
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	18	1.75
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	18	1.75
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	18	1.75
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	14	1.75
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	14	1.75
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	14	1.75
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	6	1.74
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	6	1.74
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	6	1.74
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	6	1.74
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	6	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	6	1.74
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	8	1.74
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	8	1.74
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	8	1.74
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	8	1.74
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	8	1.74
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	8	1.74
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	8	1.74
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	8	1.74
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	8	1.74
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	7	1.74
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	7	1.74
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	7	1.74
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	16	1.72
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	15	1.72
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	15	1.72
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	15	1.72
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	15	1.72
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	15	1.72
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	15	1.72
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	15	1.72
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	15	1.72
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	15	1.72
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	7	1.71
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	7	1.71
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	7	1.71
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	7	1.71
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	7	1.71
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	7	1.71
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	1	1.71
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	1	1.71
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	1	1.71
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	15	1.71
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	15	1.71
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	15	1.71
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	12	1.71
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	12	1.71
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	12	1.71
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	12	1.71
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	12	1.71
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	12	1.71
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	12	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	12	1.71
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	12	1.71
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	11	1.71
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	11	1.71
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	11	1.71
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	6	1.7
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	6	1.7
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	10	1.7
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	10	1.7
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	10	1.7
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	10	1.7
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	10	1.7
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	10	1.7
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	10	1.7
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	10	1.7
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	10	1.7
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	10	1.7
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	10	1.7
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	4	1.69
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	4	1.69
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	20	1.69
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	20	1.69
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	20	1.69
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	20	1.69
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	20	1.69
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	20	1.69
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	20	1.69
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	20	1.69
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	20	1.69
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	8	1.69
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	8	1.69
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	8	1.69
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	8	1.69
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	8	1.69
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	8	1.69
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	6	1.68
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	6	1.68
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	6	1.68
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	6	1.68
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	6	1.68
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	6	1.68
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	6	1.68
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	6	1.68
(1,1387)	1:44:D:LEU:HD11	1:45:D:ASP:H	17	1.67
(1,1387)	1:44:D:LEU:HD12	1:45:D:ASP:H	17	1.67
(1,1387)	1:44:D:LEU:HD13	1:45:D:ASP:H	17	1.67
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	6	1.67
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	6	1.67
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	6	1.67
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	6	1.67
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	6	1.67
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	6	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	6	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	6	1.67
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	6	1.67
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	7	1.67
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	7	1.67
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	7	1.67
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	11	1.67
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	11	1.67
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	11	1.67
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	11	1.67
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	11	1.67
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	11	1.67
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	5	1.66
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	5	1.66
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	5	1.66
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	5	1.66
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	5	1.66
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	5	1.66
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	5	1.66
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	5	1.66
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	5	1.66
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	20	1.65
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	20	1.65
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	8	1.65
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	8	1.65
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	8	1.65
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	8	1.65
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	8	1.65
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	8	1.65
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	8	1.65
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	8	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	8	1.65
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	8	1.65
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	8	1.65
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	7	1.65
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	7	1.65
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	7	1.65
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	7	1.65
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	7	1.65
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	7	1.65
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	7	1.65
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	7	1.65
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	7	1.65
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	16	1.65
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	18	1.65
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	18	1.65
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	18	1.65
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	7	1.63
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	7	1.63
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	7	1.63
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	4	1.63
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	4	1.63
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	4	1.63
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	1	1.63
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	1	1.63
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	20	1.63
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	20	1.63
(1,888)	1:13:C:ILE:HD11	1:83:C:ILE:H	11	1.63
(1,888)	1:13:C:ILE:HD12	1:83:C:ILE:H	11	1.63
(1,888)	1:13:C:ILE:HD13	1:83:C:ILE:H	11	1.63
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	14	1.62
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	14	1.62
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	14	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	14	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	14	1.62
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	14	1.62
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	8	1.62
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	8	1.62
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	8	1.62
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	8	1.62
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	8	1.62
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	8	1.62
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	8	1.62
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	8	1.62
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	5	1.62
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	10	1.62
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	8	1.61
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	8	1.61
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	8	1.61
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	12	1.61
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	12	1.61
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	12	1.61
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	12	1.61
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	12	1.61
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	12	1.61
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	12	1.61
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	12	1.61
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	12	1.61
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	17	1.61
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	17	1.61
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	17	1.61
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	19	1.6
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	19	1.6
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	19	1.6
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	2	1.6
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	2	1.6
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	2	1.6
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	2	1.6
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	2	1.6
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	2	1.6
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE1	19	1.6
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE2	19	1.6
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE3	19	1.6
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE1	19	1.6
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE2	19	1.6
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE3	19	1.6
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	7	1.6
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	7	1.6
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	7	1.6
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	5	1.59
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	14	1.59
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	10	1.59
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	10	1.59
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	10	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	1	1.59
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	1	1.59
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	1	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	1	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	1	1.59
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	1	1.59
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	8	1.58
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	8	1.58
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	8	1.58
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	8	1.58
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	8	1.58
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	8	1.58
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	8	1.58
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	8	1.58
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	8	1.58
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	20	1.58
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	20	1.58
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	20	1.58
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	20	1.58
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	20	1.58
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	20	1.58
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	20	1.58
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	20	1.58
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	20	1.58
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	3	1.58
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	3	1.58
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	3	1.58
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	3	1.58
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	3	1.58
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	3	1.58
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	10	1.58
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	10	1.58
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	10	1.58
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	10	1.58
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	10	1.58
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	10	1.58
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	15	1.58
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	15	1.58
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	15	1.58
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	19	1.58
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	19	1.58
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	19	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	19	1.58
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	19	1.58
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	19	1.58
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	19	1.58
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	19	1.58
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	19	1.58
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	7	1.58
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	7	1.58
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	7	1.58
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	1	1.57
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	1	1.57
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	1	1.57
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	1	1.57
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	1	1.57
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	1	1.57
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	1	1.57
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	1	1.57
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	1	1.57
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	7	1.57
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	7	1.57
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	7	1.57
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	7	1.57
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	7	1.57
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	7	1.57
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	17	1.57
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	17	1.57
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	17	1.57
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	1	1.56
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	1	1.56
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	1	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	1	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	1	1.56
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	1	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	1	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	1	1.56
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	1	1.56
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	18	1.56
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	18	1.56
(1,1387)	1:44:D:LEU:HD11	1:45:D:ASP:H	20	1.56
(1,1387)	1:44:D:LEU:HD12	1:45:D:ASP:H	20	1.56
(1,1387)	1:44:D:LEU:HD13	1:45:D:ASP:H	20	1.56
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD11	2	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD12	2	1.56
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD13	2	1.56
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD11	2	1.56
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD12	2	1.56
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD13	2	1.56
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD11	2	1.56
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD12	2	1.56
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD13	2	1.56
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	20	1.55
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	20	1.55
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	20	1.55
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	8	1.55
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	8	1.55
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	8	1.55
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	3	1.55
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	3	1.55
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	3	1.55
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	3	1.55
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	3	1.55
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	3	1.55
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	13	1.55
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	4	1.55
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	4	1.55
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	4	1.55
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	4	1.55
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	4	1.55
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	4	1.55
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	4	1.55
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	4	1.55
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	4	1.55
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	2	1.55
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	2	1.55
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	2	1.55
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	10	1.54
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	10	1.54
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	10	1.54
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	10	1.54
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	10	1.54
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	10	1.54
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	10	1.54
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	10	1.54
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	10	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	2	1.54
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	11	1.54
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	11	1.54
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	11	1.54
(1,885)	1:13:C:ILE:HD11	1:14:C:GLN:H	11	1.54
(1,885)	1:13:C:ILE:HD12	1:14:C:GLN:H	11	1.54
(1,885)	1:13:C:ILE:HD13	1:14:C:GLN:H	11	1.54
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD11	15	1.54
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD12	15	1.54
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD13	15	1.54
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD11	15	1.54
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD12	15	1.54
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD13	15	1.54
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD11	15	1.54
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD12	15	1.54
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD13	15	1.54
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	8	1.54
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	8	1.54
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	8	1.54
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	8	1.54
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	8	1.54
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	8	1.54
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	8	1.54
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	8	1.54
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	8	1.54
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	3	1.54
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	3	1.54
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	3	1.54
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	5	1.53
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	5	1.53
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	5	1.53
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	11	1.53
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	11	1.53
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	11	1.53
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	11	1.53
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	11	1.53
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	11	1.53
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	11	1.53
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	11	1.53
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	11	1.53
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	7	1.53
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	16	1.53
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	16	1.53
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	16	1.53
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	16	1.53
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	16	1.53
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	16	1.53
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	17	1.53
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	17	1.53
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	17	1.53
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	1	1.53
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	1	1.53
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	1	1.53
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	10	1.52
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	10	1.52
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	10	1.52
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD21	3	1.52
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD22	3	1.52
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD23	3	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD21	3	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD22	3	1.52
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD23	3	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD21	3	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD22	3	1.52
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD23	3	1.52
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	3	1.52
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	3	1.52
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	3	1.52
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	3	1.52
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	3	1.52
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	3	1.52
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	3	1.52
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	3	1.52
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	3	1.52
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	18	1.52
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	18	1.52
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	18	1.52
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	7	1.52
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	7	1.52
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	7	1.52
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	7	1.52
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	7	1.52
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	7	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	7	1.52
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	7	1.52
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	7	1.52
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	10	1.52
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	10	1.52
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	10	1.52
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	8	1.52
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	8	1.52
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	8	1.52
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	19	1.51
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	19	1.51
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	19	1.51
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	8	1.51
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	6	1.51
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	6	1.51
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	10	1.51
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	10	1.51
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	14	1.51
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	14	1.51
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	14	1.51
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	14	1.51
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	14	1.51
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	14	1.51
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	14	1.51
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	14	1.51
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	14	1.51
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	12	1.51
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	12	1.51
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	12	1.51
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	16	1.51
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	16	1.51
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	16	1.51
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	18	1.5
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	18	1.5
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	18	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	18	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	18	1.5
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	18	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	18	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	18	1.5
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	18	1.5
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	4	1.5
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	19	1.5
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	16	1.5
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	4	1.5
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	4	1.5
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	4	1.5
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	4	1.5
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	4	1.5
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	4	1.5
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	4	1.5
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	4	1.5
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	4	1.5
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	14	1.49
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	14	1.49
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	14	1.49
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	14	1.49
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	14	1.49
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	14	1.49
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	14	1.49
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	14	1.49
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	14	1.49
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	7	1.49
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	7	1.49
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	7	1.49
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	18	1.49
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	18	1.49
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	5	1.48
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	5	1.48
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	5	1.48
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	5	1.48
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	5	1.48
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	5	1.48
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	5	1.48
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	5	1.48
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	5	1.48
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	16	1.48
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	16	1.48
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	16	1.48
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	16	1.48
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	16	1.48
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	16	1.48
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	14	1.48
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	14	1.48
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	14	1.48
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	14	1.48
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	14	1.48
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	19	1.48
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	19	1.48
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	19	1.48
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	19	1.48
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	19	1.48
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	19	1.48
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	19	1.48
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	19	1.48
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	19	1.48
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	5	1.47
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	5	1.47
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	5	1.47
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	20	1.47
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	17	1.47
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	17	1.47
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	17	1.47
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	17	1.47
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	17	1.47
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	17	1.47
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	17	1.47
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	17	1.47
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	17	1.47
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	1	1.47
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	1	1.47
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	1	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	1	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	1	1.47
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	1	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	1	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	1	1.47
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	1	1.47
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	1	1.47
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	1	1.47
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	1	1.47
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	1	1.47
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	1	1.47
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	1	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	1	1.47
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	1	1.47
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	1	1.47
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	11	1.47
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	11	1.47
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	11	1.47
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	18	1.47
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	18	1.47
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	18	1.47
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	8	1.46
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	8	1.46
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	8	1.46
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	8	1.46
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	8	1.46
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	8	1.46
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	8	1.46
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	8	1.46
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	8	1.46
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD21	14	1.45
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD22	14	1.45
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD23	14	1.45
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD21	14	1.45
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD22	14	1.45
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD23	14	1.45
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD21	14	1.45
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD22	14	1.45
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD23	14	1.45
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	7	1.45
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	7	1.45
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	7	1.45
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	7	1.45
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	7	1.45
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	7	1.45
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	7	1.45
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	7	1.45
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	7	1.45
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	12	1.45
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	12	1.45
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	12	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	12	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	12	1.45
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	12	1.45
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	12	1.45
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	12	1.45
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	7	1.45
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	7	1.45
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	7	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	7	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	7	1.45
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	7	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	7	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	7	1.45
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	7	1.45
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	20	1.45
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	20	1.45
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	20	1.45
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	14	1.44
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	14	1.44
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	14	1.44
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	14	1.44
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	14	1.44
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	14	1.44
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD11	18	1.44
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD12	18	1.44
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD13	18	1.44
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD11	18	1.44
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD12	18	1.44
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD13	18	1.44
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD11	18	1.44
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD12	18	1.44
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD13	18	1.44
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD21	12	1.44
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD22	12	1.44
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD23	12	1.44
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD21	12	1.44
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD22	12	1.44
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD23	12	1.44
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD21	12	1.44
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD22	12	1.44
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD23	12	1.44
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	17	1.44
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	17	1.44
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	17	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	1	1.44
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	18	1.44
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	18	1.44
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	18	1.44
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	18	1.44
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	18	1.44
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	18	1.44
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	18	1.44
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	18	1.44
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	18	1.44
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	2	1.44
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	16	1.44
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	16	1.44
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	6	1.44
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	6	1.44
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	6	1.44
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	2	1.43
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	2	1.43
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	2	1.43
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	2	1.43
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	2	1.43
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	2	1.43
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	16	1.43
(1,852)	1:135:B:ALA:HB1	1:13:D:ILE:H	18	1.43
(1,852)	1:135:B:ALA:HB2	1:13:D:ILE:H	18	1.43
(1,852)	1:135:B:ALA:HB3	1:13:D:ILE:H	18	1.43
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	17	1.43
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	17	1.43
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	17	1.43
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	17	1.43
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	17	1.43
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	17	1.43
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	17	1.43
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	17	1.43
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	17	1.43
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	14	1.43
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	14	1.43
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	14	1.43
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	7	1.43
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	7	1.43
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	7	1.43
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	7	1.43
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	7	1.43
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	8	1.43
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	8	1.43
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	8	1.43
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	6	1.42
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	6	1.42
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	6	1.42
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	6	1.42
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	6	1.42
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	6	1.42
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	6	1.42
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	6	1.42
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	6	1.42
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	7	1.42
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	7	1.42
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	7	1.42
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	18	1.42
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	18	1.42
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	18	1.42
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	18	1.42
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	18	1.42
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	18	1.42
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	18	1.42
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	18	1.42
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	18	1.42
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	5	1.42
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	5	1.42
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	5	1.42
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	5	1.42
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	5	1.42
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	5	1.42
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	2	1.42
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	2	1.42
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	2	1.42
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	2	1.42
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	2	1.42
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	2	1.42
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	11	1.42
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	11	1.42
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	11	1.42
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	20	1.41
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	20	1.41
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	11	1.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	7	1.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	7	1.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	7	1.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	7	1.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	7	1.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	7	1.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	7	1.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	7	1.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	7	1.41
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	11	1.4
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	11	1.4
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	11	1.4
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	14	1.4
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	14	1.4
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	1	1.4
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	1	1.4
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	8	1.4
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	8	1.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	4	1.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	4	1.4
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	4	1.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	4	1.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	4	1.4
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	4	1.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	4	1.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	4	1.4
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	4	1.4
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD11	15	1.4
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD12	15	1.4
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD13	15	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD11	15	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD12	15	1.4
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD13	15	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD11	15	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD12	15	1.4
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD13	15	1.4
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	8	1.4
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	16	1.4
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	16	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	16	1.4
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	16	1.4
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	16	1.4
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	16	1.4
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	8	1.4
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	8	1.4
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	8	1.4
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	8	1.4
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	8	1.4
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	8	1.4
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	8	1.4
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	8	1.4
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	8	1.4
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	20	1.4
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	20	1.4
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	20	1.4
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	12	1.4
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	12	1.4
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	12	1.4
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	6	1.4
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	6	1.4
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	6	1.4
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	11	1.39
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	11	1.39
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	11	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	4	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	4	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	4	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	4	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	4	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	4	1.39
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	4	1.39
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	4	1.39
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	4	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	5	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	5	1.39
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	5	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	5	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	5	1.39
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	5	1.39
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	5	1.39
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	5	1.39
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	3	1.39
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	3	1.39
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	3	1.39
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	3	1.39
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	3	1.39
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	3	1.39
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	8	1.39
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	8	1.39
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	8	1.39
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	8	1.39
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	8	1.39
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	8	1.39
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	13	1.39
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	13	1.39
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	13	1.39
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	13	1.39
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	13	1.39
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	13	1.39
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	19	1.39
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	19	1.39
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	19	1.39
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	19	1.39
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	19	1.39
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	19	1.39
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	19	1.39
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	19	1.39
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	19	1.39
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	6	1.38
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	6	1.38
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	6	1.38
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	15	1.38
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	15	1.38
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	15	1.38
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	16	1.38
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	16	1.38
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	16	1.38
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	14	1.38
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	17	1.38
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	17	1.38
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	17	1.38
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	17	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	17	1.38
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	17	1.38
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	20	1.38
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	20	1.38
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	7	1.38
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	7	1.38
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	7	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	7	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	7	1.38
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	7	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	7	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	7	1.38
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	7	1.38
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	5	1.38
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	5	1.38
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	5	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	5	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	5	1.38
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	5	1.38
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	4	1.37
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	4	1.37
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	4	1.37
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	4	1.37
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	4	1.37
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	4	1.37
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	4	1.37
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	4	1.37
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	4	1.37
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	6	1.37
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	6	1.37
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	6	1.37
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	14	1.37
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	14	1.37
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	14	1.37
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	14	1.37
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	14	1.37
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	14	1.37
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	18	1.37
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	18	1.37
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	18	1.37
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	18	1.37
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	18	1.37
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	14	1.36
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	14	1.36
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	14	1.36
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	14	1.36
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	14	1.36
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	14	1.36
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	14	1.36
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	14	1.36
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	14	1.36
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	18	1.36
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	18	1.36
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	18	1.36
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	18	1.36
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	18	1.36
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	18	1.36
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	18	1.36
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	18	1.36
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	18	1.36
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	8	1.35
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	8	1.35
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	8	1.35
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	8	1.35
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	8	1.35
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	8	1.35
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	18	1.35
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	18	1.35
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	18	1.35
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	13	1.35
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	13	1.35
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	13	1.35
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	13	1.35
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	13	1.35
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	13	1.35
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	13	1.35
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	13	1.35
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	13	1.35
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	14	1.35
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	14	1.35
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	14	1.35
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	14	1.35
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	14	1.35
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	14	1.35
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	14	1.35
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	14	1.35
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	5	1.35
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	5	1.35
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	5	1.35
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	19	1.35
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	19	1.35
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	19	1.35
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	14	1.35
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	14	1.35
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	14	1.35
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	14	1.35
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	14	1.35
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	14	1.35
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	8	1.35
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	8	1.35
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	8	1.35
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	17	1.34
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	17	1.34
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	17	1.34
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	1	1.34
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	1	1.34
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	1	1.34
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	1	1.34
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	1	1.34
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	1	1.34
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	1	1.34
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	1	1.34
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	1	1.34
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	3	1.34
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	3	1.34
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	3	1.34
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	7	1.34
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	7	1.34
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	7	1.34
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	7	1.34
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	7	1.34
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	7	1.34
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	7	1.34
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	7	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	7	1.34
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	7	1.34
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	7	1.34
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	7	1.34
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE1	8	1.34
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE2	8	1.34
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE1	8	1.34
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE2	8	1.34
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE1	8	1.34
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE2	8	1.34
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	18	1.33
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	18	1.33
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	18	1.33
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	12	1.33
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	20	1.33
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	20	1.33
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	20	1.33
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	3	1.33
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	3	1.33
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	3	1.33
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	11	1.33
(1,19)	1:13:A:ILE:HD11	1:15:A:ARG:H	20	1.33
(1,19)	1:13:A:ILE:HD12	1:15:A:ARG:H	20	1.33
(1,19)	1:13:A:ILE:HD13	1:15:A:ARG:H	20	1.33
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	2	1.32
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	2	1.32
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	2	1.32
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	12	1.32
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	12	1.32
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	12	1.32
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	8	1.32
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	8	1.32
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	8	1.32
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	20	1.32
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	20	1.32
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	20	1.32
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	19	1.32
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	19	1.32
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	19	1.32
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	19	1.32
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	19	1.32
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	19	1.32
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	19	1.32
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	19	1.32
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	6	1.32
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	20	1.32
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	20	1.32
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	20	1.32
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	20	1.32
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	20	1.32
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	20	1.32
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	20	1.32
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	20	1.32
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	20	1.32
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	7	1.31
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	7	1.31
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	7	1.31
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	4	1.31
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	4	1.31
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	4	1.31
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	4	1.31
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	11	1.31
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	11	1.31
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE1	19	1.31
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE2	19	1.31
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE3	19	1.31
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE1	19	1.31
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE2	19	1.31
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE3	19	1.31
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE1	19	1.31
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE2	19	1.31
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE3	19	1.31
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	12	1.3
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	12	1.3
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	12	1.3
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	12	1.3
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	12	1.3
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	12	1.3
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	12	1.3
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	12	1.3
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	12	1.3
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD11	15	1.3
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD12	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD13	15	1.3
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD11	15	1.3
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD12	15	1.3
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD13	15	1.3
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD11	15	1.3
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD12	15	1.3
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD13	15	1.3
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	4	1.3
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	4	1.3
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	4	1.3
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	9	1.3
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	6	1.3
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	6	1.3
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	19	1.3
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	19	1.3
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	19	1.3
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	17	1.29
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	17	1.29
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	17	1.29
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	17	1.29
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	17	1.29
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	17	1.29
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	17	1.29
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	17	1.29
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	17	1.29
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	10	1.29
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	10	1.29
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	10	1.29
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	12	1.29
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	12	1.29
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	12	1.29
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	12	1.29
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	12	1.29
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	12	1.29
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	2	1.29
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	2	1.29
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	2	1.29
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	2	1.29
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	2	1.29
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	2	1.29
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	2	1.29
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	2	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	2	1.29
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	15	1.29
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	15	1.29
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	15	1.29
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	15	1.29
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	15	1.29
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	15	1.29
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	15	1.29
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	15	1.29
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	15	1.29
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	12	1.28
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	12	1.28
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	12	1.28
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	2	1.28
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	2	1.28
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	2	1.28
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	4	1.28
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	4	1.28
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	14	1.28
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	14	1.28
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	14	1.28
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	12	1.28
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	12	1.28
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	12	1.28
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	12	1.28
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	12	1.28
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	12	1.28
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	12	1.28
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	12	1.28
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	12	1.28
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	7	1.28
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	7	1.28
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	7	1.28
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	7	1.28
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	7	1.28
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	7	1.28
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	7	1.28
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	7	1.28
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	7	1.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	17	1.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	17	1.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	12	1.27
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	12	1.27
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	12	1.27
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	12	1.27
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	12	1.27
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	12	1.27
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	12	1.27
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	12	1.27
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	12	1.27
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	11	1.27
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	11	1.27
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	11	1.27
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	14	1.27
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	14	1.27
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	14	1.27
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	4	1.27
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	4	1.27
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	4	1.27
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	4	1.27
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	4	1.27
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	4	1.27
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	4	1.27
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	4	1.27
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	4	1.27
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	15	1.27
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	8	1.27
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	8	1.27
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	8	1.27
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	8	1.27
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	8	1.27
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	8	1.27
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	8	1.27
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	8	1.27
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	8	1.27
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	12	1.27
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	12	1.27
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	12	1.27
(1,888)	1:13:C:ILE:HD11	1:83:C:ILE:H	3	1.27
(1,888)	1:13:C:ILE:HD12	1:83:C:ILE:H	3	1.27
(1,888)	1:13:C:ILE:HD13	1:83:C:ILE:H	3	1.27
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	18	1.27
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	18	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	18	1.27
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	18	1.27
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	18	1.27
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	18	1.27
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	18	1.27
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	18	1.27
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	18	1.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	6	1.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	6	1.27
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	6	1.27
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	9	1.27
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	9	1.27
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	9	1.27
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE1	16	1.26
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE2	16	1.26
(1,1162)	1:86:C:ILE:HD11	1:94:C:MET:HE3	16	1.26
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE1	16	1.26
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE2	16	1.26
(1,1162)	1:86:C:ILE:HD12	1:94:C:MET:HE3	16	1.26
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE1	16	1.26
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE2	16	1.26
(1,1162)	1:86:C:ILE:HD13	1:94:C:MET:HE3	16	1.26
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	12	1.26
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	12	1.26
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	12	1.26
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	19	1.26
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	19	1.26
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	19	1.26
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	2	1.26
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	2	1.26
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	2	1.26
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	1	1.25
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	1	1.25
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	1	1.25
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	1	1.25
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	1	1.25
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	1	1.25
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	3	1.25
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	4	1.25
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	4	1.25
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	4	1.25
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	3	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	3	1.25
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	3	1.25
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	3	1.25
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	3	1.25
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	3	1.25
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	3	1.25
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	3	1.25
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	3	1.25
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	7	1.25
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	7	1.25
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	7	1.25
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	3	1.25
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	3	1.25
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	3	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	3	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	3	1.25
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	3	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	3	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	3	1.25
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	3	1.25
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	16	1.24
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	16	1.24
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	16	1.24
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	16	1.24
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	16	1.24
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	16	1.24
(1,886)	1:13:C:ILE:HD11	1:15:C:ARG:H	3	1.24
(1,886)	1:13:C:ILE:HD12	1:15:C:ARG:H	3	1.24
(1,886)	1:13:C:ILE:HD13	1:15:C:ARG:H	3	1.24
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	11	1.24
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	11	1.24
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	11	1.24
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	13	1.24
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	13	1.24
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	13	1.24
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	6	1.24
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	1	1.23
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	1	1.23
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	1	1.23
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	1	1.23
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	1	1.23
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	16	1.23
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	16	1.23
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	16	1.23
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	16	1.23
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	16	1.23
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	16	1.23
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	16	1.23
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	16	1.23
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	16	1.23
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	5	1.23
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	6	1.23
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	6	1.23
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	6	1.23
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	3	1.23
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	6	1.23
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	6	1.23
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	6	1.23
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	6	1.23
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	6	1.23
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	6	1.23
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	6	1.23
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	6	1.23
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	6	1.23
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	17	1.23
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	17	1.23
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	17	1.23
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	17	1.23
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	17	1.23
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	17	1.23
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	17	1.23
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	17	1.23
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	17	1.23
(1,20)	1:13:A:ILE:HD11	1:16:A:ILE:HD11	16	1.23
(1,20)	1:13:A:ILE:HD11	1:16:A:ILE:HD12	16	1.23
(1,20)	1:13:A:ILE:HD11	1:16:A:ILE:HD13	16	1.23
(1,20)	1:13:A:ILE:HD12	1:16:A:ILE:HD11	16	1.23
(1,20)	1:13:A:ILE:HD12	1:16:A:ILE:HD12	16	1.23
(1,20)	1:13:A:ILE:HD12	1:16:A:ILE:HD13	16	1.23
(1,20)	1:13:A:ILE:HD13	1:16:A:ILE:HD11	16	1.23
(1,20)	1:13:A:ILE:HD13	1:16:A:ILE:HD12	16	1.23
(1,20)	1:13:A:ILE:HD13	1:16:A:ILE:HD13	16	1.23
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	15	1.22
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	15	1.22
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	13	1.22
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	13	1.22
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD21	14	1.22
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD22	14	1.22
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD23	14	1.22
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD21	14	1.22
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD22	14	1.22
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD23	14	1.22
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD11	1	1.22
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD12	1	1.22
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD13	1	1.22
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD11	1	1.22
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD12	1	1.22
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD13	1	1.22
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD11	1	1.22
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD12	1	1.22
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD13	1	1.22
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	10	1.22
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	10	1.22
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	10	1.22
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	7	1.22
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	7	1.22
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	7	1.22
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	7	1.22
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	7	1.22
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	7	1.22
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	7	1.22
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	7	1.22
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	7	1.22
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	3	1.22
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	3	1.22
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	3	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	6	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	6	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	6	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	10	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	10	1.22
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	10	1.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	10	1.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	10	1.22
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	4	1.22
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	4	1.22
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	4	1.22
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	11	1.21
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	11	1.21
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	11	1.21
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	19	1.21
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	19	1.21
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	1	1.21
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	1	1.21
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	1	1.21
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	1	1.21
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	1	1.21
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	1	1.21
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	1	1.21
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	1	1.21
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	1	1.21
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	12	1.21
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	12	1.21
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	12	1.21
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	12	1.21
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	12	1.21
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	12	1.21
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	12	1.21
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	12	1.21
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	12	1.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	14	1.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	14	1.21
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	14	1.21
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	18	1.21
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	18	1.21
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	18	1.21
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	13	1.2
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	13	1.2
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	13	1.2
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	13	1.2
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	13	1.2
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	13	1.2
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	13	1.2
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	13	1.2
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	18	1.2
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	18	1.2
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	18	1.2
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	7	1.2
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	7	1.2
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	7	1.2
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	7	1.2
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	7	1.2
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	7	1.2
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	17	1.2
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	17	1.2
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	17	1.2
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	17	1.2
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	17	1.2
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	17	1.2
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	17	1.2
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	17	1.2
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	17	1.2
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	4	1.2
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	4	1.2
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	4	1.2
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	4	1.2
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	4	1.2
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	4	1.2
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD11	2	1.2
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD12	2	1.2
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD13	2	1.2
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD11	2	1.2
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD12	2	1.2
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD13	2	1.2
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD11	2	1.2
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD12	2	1.2
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD13	2	1.2
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	4	1.2
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	4	1.2
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	4	1.2
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	4	1.2
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	4	1.2
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	4	1.2
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	4	1.2
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	4	1.2
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	7	1.2
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	7	1.2
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	7	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	14	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	14	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	14	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	18	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	18	1.2
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	18	1.2
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	10	1.2
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	10	1.2
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	10	1.2
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	18	1.19
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	18	1.19
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	18	1.19
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	18	1.19
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	18	1.19
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	18	1.19
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	13	1.19
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	13	1.19
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	13	1.19
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	19	1.19
(1,744)	1:86:B:ILE:HD11	1:94:B:MET:HE1	2	1.19
(1,744)	1:86:B:ILE:HD11	1:94:B:MET:HE2	2	1.19
(1,744)	1:86:B:ILE:HD11	1:94:B:MET:HE3	2	1.19
(1,744)	1:86:B:ILE:HD12	1:94:B:MET:HE1	2	1.19
(1,744)	1:86:B:ILE:HD12	1:94:B:MET:HE2	2	1.19
(1,744)	1:86:B:ILE:HD12	1:94:B:MET:HE3	2	1.19
(1,744)	1:86:B:ILE:HD13	1:94:B:MET:HE1	2	1.19
(1,744)	1:86:B:ILE:HD13	1:94:B:MET:HE2	2	1.19
(1,744)	1:86:B:ILE:HD13	1:94:B:MET:HE3	2	1.19
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE1	16	1.19
(1,406)	1:131:A:VAL:HG11	1:133:A:PHE:HE2	16	1.19
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE1	16	1.19
(1,406)	1:131:A:VAL:HG12	1:133:A:PHE:HE2	16	1.19
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE1	16	1.19
(1,406)	1:131:A:VAL:HG13	1:133:A:PHE:HE2	16	1.19
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	2	1.19
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	2	1.19
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	2	1.19
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	19	1.19
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	19	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	19	1.19
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	19	1.19
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	19	1.19
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	19	1.19
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	19	1.19
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	19	1.19
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	19	1.19
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	6	1.18
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	6	1.18
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	6	1.18
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	2	1.18
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	2	1.18
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	2	1.18
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	15	1.18
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	15	1.18
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	15	1.18
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	2	1.18
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	13	1.18
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	13	1.18
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	13	1.18
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	18	1.17
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	18	1.17
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	18	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	18	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	18	1.17
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	18	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	18	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	18	1.17
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	18	1.17
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	1	1.17
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	1	1.17
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	1	1.17
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	1	1.17
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	1	1.17
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	1	1.17
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	1	1.17
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	1	1.17
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	1	1.17
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD21	10	1.17
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD22	10	1.17
(1,810)	1:114:B:ILE:HD11	1:126:B:LEU:HD23	10	1.17
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD21	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD22	10	1.17
(1,810)	1:114:B:ILE:HD12	1:126:B:LEU:HD23	10	1.17
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD21	10	1.17
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD22	10	1.17
(1,810)	1:114:B:ILE:HD13	1:126:B:LEU:HD23	10	1.17
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	10	1.17
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	10	1.17
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	10	1.17
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	10	1.17
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	10	1.17
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	10	1.17
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	10	1.17
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	10	1.17
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	10	1.17
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE1	12	1.17
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE2	12	1.17
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE3	12	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE1	12	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE2	12	1.17
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE3	12	1.17
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	5	1.17
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	19	1.16
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	19	1.16
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	19	1.16
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	19	1.16
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	19	1.16
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	19	1.16
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	11	1.16
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	11	1.16
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	11	1.16
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	11	1.16
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	11	1.16
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	11	1.16
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	11	1.16
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	11	1.16
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	11	1.16
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	5	1.16
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	5	1.16
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	5	1.16
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	1	1.16
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	1	1.16
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	15	1.16
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	15	1.16
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	15	1.16
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	17	1.16
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	17	1.16
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	17	1.16
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	17	1.16
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	17	1.16
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	17	1.16
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	17	1.16
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	17	1.16
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	17	1.16
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	19	1.16
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	19	1.16
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	19	1.16
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	19	1.16
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	19	1.16
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	19	1.16
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	19	1.16
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	19	1.16
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	19	1.16
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE1	6	1.16
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE2	6	1.16
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE3	6	1.16
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE1	6	1.16
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE2	6	1.16
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE3	6	1.16
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE1	6	1.16
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE2	6	1.16
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE3	6	1.16
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	1	1.15
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	1	1.15
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	1	1.15
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	1	1.15
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	1	1.15
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	1	1.15
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	6	1.15
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	6	1.15
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	6	1.15
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	6	1.15
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	6	1.15
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	15	1.15
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	15	1.15
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	15	1.15
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	14	1.15
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	7	1.15
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	7	1.15
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	7	1.15
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	8	1.15
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	8	1.15
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	8	1.15
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	8	1.15
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	8	1.15
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	8	1.15
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	8	1.15
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	8	1.15
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	8	1.15
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	15	1.15
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	15	1.15
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	7	1.15
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	7	1.15
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	7	1.15
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	7	1.15
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	7	1.15
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	7	1.15
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	7	1.15
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	7	1.15
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	7	1.15
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	8	1.14
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	8	1.14
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	8	1.14
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	16	1.14
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	16	1.14
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	16	1.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	11	1.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	11	1.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	11	1.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	11	1.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	11	1.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	11	1.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	11	1.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	11	1.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	6	1.14
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	6	1.14
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	6	1.14
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	6	1.14
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	6	1.14
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	6	1.14
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	13	1.14
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	2	1.14
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	2	1.14
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	2	1.14
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	2	1.14
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	2	1.14
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	2	1.14
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	2	1.14
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	2	1.14
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	2	1.14
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	6	1.14
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	6	1.14
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	6	1.14
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	13	1.14
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	13	1.14
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	13	1.14
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD11	10	1.14
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD12	10	1.14
(1,547)	1:42:B:LEU:HD11	1:114:B:ILE:HD13	10	1.14
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD11	10	1.14
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD12	10	1.14
(1,547)	1:42:B:LEU:HD12	1:114:B:ILE:HD13	10	1.14
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD11	10	1.14
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD12	10	1.14
(1,547)	1:42:B:LEU:HD13	1:114:B:ILE:HD13	10	1.14
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	10	1.14
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	10	1.14
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	10	1.14
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	10	1.14
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	10	1.14
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	10	1.14
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	10	1.14
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	10	1.14
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	10	1.14
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	19	1.14
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	19	1.14
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	19	1.14
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	19	1.14
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	19	1.14
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	19	1.14
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	19	1.14
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	19	1.14
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	1	1.14
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	14	1.13
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	14	1.13
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	14	1.13
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	12	1.13
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	12	1.13
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	12	1.13
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	10	1.13
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	10	1.13
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	10	1.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	10	1.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	10	1.13
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	10	1.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	10	1.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	10	1.13
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	10	1.13
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	14	1.13
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	14	1.13
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	14	1.13
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD21	1	1.13
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD22	1	1.13
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD23	1	1.13
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD21	1	1.13
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD22	1	1.13
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD23	1	1.13
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	2	1.13
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	2	1.13
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	2	1.13
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	4	1.13
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	4	1.13
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	4	1.13
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	4	1.13
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	4	1.13
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	4	1.13
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	4	1.13
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	4	1.13
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	14	1.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	5	1.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	5	1.13
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	5	1.13
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	15	1.12
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	8	1.12
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	8	1.12
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	8	1.12
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	9	1.12
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	9	1.12
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	8	1.12
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	8	1.12
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	8	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	8	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	8	1.12
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	8	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	8	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	8	1.12
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	8	1.12
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	5	1.12
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	5	1.12
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	5	1.12
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	5	1.12
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	5	1.12
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	5	1.12
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	5	1.12
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	5	1.12
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	5	1.12
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	20	1.11
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	20	1.11
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	20	1.11
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	5	1.11
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	5	1.11
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	5	1.11
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	18	1.11
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	18	1.11
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	18	1.11
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	18	1.11
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	18	1.11
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	18	1.11
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	18	1.11
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	18	1.11
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	10	1.11
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	7	1.11
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	12	1.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	3	1.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	3	1.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	3	1.11
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	3	1.11
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	3	1.11
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	3	1.11
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	3	1.11
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	3	1.11
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	3	1.11
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	19	1.11
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	5	1.11
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	5	1.11
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	5	1.11
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	5	1.11
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	5	1.11
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	5	1.11
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	5	1.11
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	5	1.11
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	5	1.11
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	2	1.1
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	2	1.1
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	2	1.1
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD21	1	1.1
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD22	1	1.1
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD23	1	1.1
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD21	1	1.1
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD22	1	1.1
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD23	1	1.1
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD21	1	1.1
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD22	1	1.1
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD23	1	1.1
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	19	1.1
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	19	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	4	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	4	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	4	1.1
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	4	1.1
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	4	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	4	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	4	1.1
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	4	1.1
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE1	1	1.1
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE2	1	1.1
(1,618)	1:56:B:TYR:HD1	1:94:B:MET:HE3	1	1.1
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE1	1	1.1
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE2	1	1.1
(1,618)	1:56:B:TYR:HD2	1:94:B:MET:HE3	1	1.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	2	1.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	2	1.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	2	1.1
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	7	1.1
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	7	1.1
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	7	1.1
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	12	1.09
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	12	1.09
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	12	1.09
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	12	1.09
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	12	1.09
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	12	1.09
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	12	1.09
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	12	1.09
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	12	1.09
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	20	1.09
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD21	1	1.09
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD22	1	1.09
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD23	1	1.09
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD21	1	1.09
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD22	1	1.09
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD23	1	1.09
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD21	1	1.09
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD22	1	1.09
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD23	1	1.09
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	3	1.09
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	7	1.09
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	18	1.09
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	18	1.09
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	18	1.09
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	18	1.09
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	18	1.09
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG11	13	1.09
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG12	13	1.09
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG13	13	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG11	13	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG12	13	1.09
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG13	13	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG11	13	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG12	13	1.09
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG13	13	1.09
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD21	11	1.08
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD22	11	1.08
(1,1372)	1:40:D:VAL:HG11	1:126:D:LEU:HD23	11	1.08
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD21	11	1.08
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD22	11	1.08
(1,1372)	1:40:D:VAL:HG12	1:126:D:LEU:HD23	11	1.08
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD21	11	1.08
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD22	11	1.08
(1,1372)	1:40:D:VAL:HG13	1:126:D:LEU:HD23	11	1.08
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	5	1.08
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	5	1.08
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	5	1.08
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	16	1.08
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	16	1.08
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	16	1.08
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	16	1.08
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	16	1.08
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	16	1.08
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	16	1.08
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	16	1.08
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	16	1.08
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	18	1.08
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	18	1.08
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	18	1.08
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	7	1.07
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	7	1.07
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	7	1.07
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	7	1.07
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	7	1.07
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	13	1.07
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	13	1.07
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	13	1.07
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	11	1.07
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	11	1.07
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	10	1.07
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	10	1.07
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	14	1.07
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	14	1.07
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	14	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	14	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	14	1.07
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	14	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	14	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	14	1.07
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	14	1.07
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	3	1.07
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	6	1.07
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	13	1.06
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	13	1.06
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	13	1.06
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	3	1.06
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	3	1.06
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	3	1.06
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	17	1.06
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	17	1.06
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	11	1.06
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	9	1.06
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	9	1.06
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	19	1.06
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	19	1.06
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	19	1.06
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	19	1.06
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	19	1.06
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	19	1.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	17	1.06
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	17	1.06
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	17	1.06
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	17	1.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	17	1.06
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	17	1.06
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	7	1.06
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	7	1.06
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	7	1.06
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	7	1.06
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	7	1.06
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	7	1.06
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	7	1.06
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	7	1.06
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD11	3	1.05
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD12	3	1.05
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD13	3	1.05
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD11	3	1.05
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD12	3	1.05
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD13	3	1.05
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD11	3	1.05
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD12	3	1.05
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD13	3	1.05
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	15	1.05
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	15	1.05
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	15	1.05
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	12	1.05
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	12	1.05
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	12	1.05
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	12	1.05
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	12	1.05
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	12	1.05
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	12	1.05
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	12	1.05
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	12	1.05
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	1	1.05
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	5	1.05
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	5	1.05
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	5	1.05
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	5	1.05
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	5	1.05
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	5	1.05
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	5	1.05
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	5	1.05
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	5	1.05
(1,513)	1:31:B:VAL:HG11	1:32:B:PHE:H	6	1.05
(1,513)	1:31:B:VAL:HG12	1:32:B:PHE:H	6	1.05
(1,513)	1:31:B:VAL:HG13	1:32:B:PHE:H	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	4	1.05
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	11	1.05
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	10	1.05
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	10	1.05
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	10	1.05
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	10	1.05
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	10	1.05
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	10	1.05
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	20	1.04
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	20	1.04
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	20	1.04
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	20	1.04
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	20	1.04
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	20	1.04
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	6	1.04
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	6	1.04
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	6	1.04
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	6	1.04
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	6	1.04
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	6	1.04
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	6	1.04
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	6	1.04
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	6	1.04
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	1	1.04
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	16	1.04
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	6	1.04
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	15	1.04
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	15	1.04
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	15	1.04
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	18	1.04
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	18	1.04
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	18	1.04
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	18	1.04
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	18	1.04
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	18	1.04
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	18	1.04
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	18	1.04
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	18	1.04
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	2	1.04
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	11	1.04
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	11	1.04
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	13	1.03
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	13	1.03
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	13	1.03
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	19	1.03
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	19	1.03
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	19	1.03
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	19	1.03
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	19	1.03
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	19	1.03
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	19	1.03
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	19	1.03
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	19	1.03
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	4	1.03
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	4	1.03
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	4	1.03
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	4	1.03
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	4	1.03
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	17	1.03
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	17	1.03
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	12	1.03
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	12	1.03
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	12	1.03
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	12	1.03
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	12	1.03
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	12	1.03
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	9	1.03
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	9	1.03
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	9	1.03
(1,888)	1:13:C:ILE:HD11	1:83:C:ILE:H	1	1.03
(1,888)	1:13:C:ILE:HD12	1:83:C:ILE:H	1	1.03
(1,888)	1:13:C:ILE:HD13	1:83:C:ILE:H	1	1.03
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD11	13	1.03
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD12	13	1.03
(1,660)	1:62:B:VAL:HG11	1:128:B:LEU:HD13	13	1.03
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD11	13	1.03
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD12	13	1.03
(1,660)	1:62:B:VAL:HG12	1:128:B:LEU:HD13	13	1.03
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD11	13	1.03
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD12	13	1.03
(1,660)	1:62:B:VAL:HG13	1:128:B:LEU:HD13	13	1.03
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	15	1.03
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	15	1.03
(1,1444)	1:58:D:VAL:HG21	1:82:D:GLY:H	2	1.02
(1,1444)	1:58:D:VAL:HG22	1:82:D:GLY:H	2	1.02
(1,1444)	1:58:D:VAL:HG23	1:82:D:GLY:H	2	1.02
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	17	1.02
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	17	1.02
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	14	1.02
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	14	1.02
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	9	1.02
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	7	1.02
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	2	1.02
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	9	1.02
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	9	1.02
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	9	1.02
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	14	1.02
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	14	1.02
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	14	1.02
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	14	1.02
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	14	1.02
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	14	1.02
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	14	1.02
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	14	1.02
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	14	1.02
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	17	1.02
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	3	1.01
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	3	1.01
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	3	1.01
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	20	1.01
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	20	1.01
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	20	1.01
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	5	1.01
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	5	1.01
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	5	1.01
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	5	1.01
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	5	1.01
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	5	1.01
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	6	1.01
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	6	1.01
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	6	1.01
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	6	1.01
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	6	1.01
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	6	1.01
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	6	1.01
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	6	1.01
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	13	1.01
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	13	1.01
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	13	1.01
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	13	1.01
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	13	1.01
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	13	1.01
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	13	1.01
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	13	1.01
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	13	1.01
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	20	1.01
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	20	1.01
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	20	1.01
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	8	1.01
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	13	1.01
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	13	1.01
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	13	1.01
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	13	1.01
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	13	1.01
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	13	1.01
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	13	1.01
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	13	1.01
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	13	1.01
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD21	12	1.01
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD22	12	1.01
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD23	12	1.01
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD21	12	1.01
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD22	12	1.01
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD23	12	1.01
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD21	12	1.01
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD22	12	1.01
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD23	12	1.01
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	14	1.01
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	14	1.01
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	14	1.01
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG21	8	1.01
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG22	8	1.01
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG23	8	1.01
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG21	8	1.01
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG22	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG23	8	1.01
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG21	8	1.01
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG22	8	1.01
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG23	8	1.01
(1,404)	1:131:A:VAL:HG11	1:133:A:PHE:H	2	1.01
(1,404)	1:131:A:VAL:HG12	1:133:A:PHE:H	2	1.01
(1,404)	1:131:A:VAL:HG13	1:133:A:PHE:H	2	1.01
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	7	1.01
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	7	1.01
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	7	1.01
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	7	1.01
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	7	1.01
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	7	1.01
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	7	1.01
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	7	1.01
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	7	1.01
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	16	1.01
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	16	1.01
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	16	1.01
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	16	1.01
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	16	1.01
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	16	1.01
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	16	1.01
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	16	1.01
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	16	1.01
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	10	1.0
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	10	1.0
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	10	1.0
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	16	1.0
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	16	1.0
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	3	1.0
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	16	1.0
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	13	1.0
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	13	1.0
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	16	1.0
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	16	1.0
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	16	1.0
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	5	1.0
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	5	1.0
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	5	1.0
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	5	1.0
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	5	1.0
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	8	1.0
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	8	1.0
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	8	1.0
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	8	1.0
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	8	1.0
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	8	1.0
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	8	1.0
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	8	1.0
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	8	1.0
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	12	1.0
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	19	1.0
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	19	1.0
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	19	1.0
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	2	1.0
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	2	1.0
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	2	1.0
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	2	1.0
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	2	1.0
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	2	1.0
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	11	1.0
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	11	1.0
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	11	1.0
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	6	1.0
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	6	1.0
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	6	1.0
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	6	1.0
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	6	1.0
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	6	1.0
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	6	1.0
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	6	1.0
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	6	1.0
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	12	1.0
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	12	1.0
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	12	1.0
(1,513)	1:31:B:VAL:HG11	1:32:B:PHE:H	12	1.0
(1,513)	1:31:B:VAL:HG12	1:32:B:PHE:H	12	1.0
(1,513)	1:31:B:VAL:HG13	1:32:B:PHE:H	12	1.0
(1,513)	1:31:B:VAL:HG11	1:32:B:PHE:H	16	1.0
(1,513)	1:31:B:VAL:HG12	1:32:B:PHE:H	16	1.0
(1,513)	1:31:B:VAL:HG13	1:32:B:PHE:H	16	1.0
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	6	1.0
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	6	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	6	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	6	1.0
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	6	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	6	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	6	1.0
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	6	1.0
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	3	1.0
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	3	1.0
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	20	0.99
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	12	0.99
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	11	0.99
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	14	0.99
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	14	0.99
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	14	0.99
(1,953)	1:31:C:VAL:HG11	1:32:C:PHE:H	1	0.99
(1,953)	1:31:C:VAL:HG12	1:32:C:PHE:H	1	0.99
(1,953)	1:31:C:VAL:HG13	1:32:C:PHE:H	1	0.99
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	2	0.99
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	9	0.99
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	9	0.99
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	9	0.99
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	7	0.99
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	7	0.99
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	7	0.99
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	7	0.99
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	7	0.99
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	7	0.99
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	7	0.99
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	7	0.99
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	7	0.99
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	13	0.99
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	13	0.99
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	13	0.99
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	18	0.99
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	18	0.99
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	18	0.99
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	18	0.99
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	18	0.99
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	18	0.99
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	18	0.99
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	18	0.99
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	19	0.99
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	3	0.99
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	3	0.99
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	3	0.99
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	19	0.99
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	19	0.99
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	19	0.99
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	19	0.99
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	19	0.99
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	19	0.99
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	16	0.98
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	16	0.98
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	16	0.98
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	16	0.98
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	16	0.98
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	16	0.98
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	16	0.98
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	16	0.98
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	16	0.98
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	12	0.98
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	12	0.98
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	12	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	12	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	12	0.98
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	12	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	12	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	12	0.98
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	12	0.98
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD11	6	0.98
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD12	6	0.98
(1,1398)	1:47:D:ALA:H	1:98:D:LEU:HD13	6	0.98
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	20	0.98
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	20	0.98
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	20	0.98
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	20	0.98
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	20	0.98
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	20	0.98
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	20	0.98
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	20	0.98
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	5	0.98
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	5	0.98
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	13	0.98
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	5	0.98
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	5	0.98
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	5	0.98
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	14	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	1	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	1	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	1	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	1	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	1	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	1	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	1	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	1	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	1	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	17	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	17	0.98
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	17	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	17	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	17	0.98
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	17	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	17	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	17	0.98
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	17	0.98
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD21	10	0.98
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD22	10	0.98
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD23	10	0.98
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD21	10	0.98
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD22	10	0.98
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD23	10	0.98
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD21	10	0.98
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD22	10	0.98
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD23	10	0.98
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	10	0.98
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	10	0.98
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	10	0.98
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	7	0.97
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	7	0.97
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	7	0.97
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	13	0.97
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	8	0.97
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	6	0.97
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	6	0.97
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	6	0.97
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	15	0.97
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	5	0.97
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	15	0.97
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	15	0.97
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	15	0.97
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	15	0.97
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	15	0.97
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	15	0.97
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	10	0.97
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	10	0.97
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	10	0.97
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	19	0.97
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	19	0.97
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	19	0.97
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	19	0.97
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	19	0.97
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	19	0.97
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	19	0.97
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	19	0.97
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	19	0.97
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD11	2	0.97
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD12	2	0.97
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD13	2	0.97
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD11	2	0.97
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD12	2	0.97
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD13	2	0.97
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD11	2	0.97
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD12	2	0.97
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD13	2	0.97
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	7	0.97
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	7	0.97
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	7	0.97
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	7	0.97
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	7	0.97
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	7	0.97
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	6	0.97
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	6	0.97
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	6	0.97
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	6	0.97
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	6	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	4	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	4	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	4	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	4	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	4	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	4	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	4	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	4	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	4	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	5	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	5	0.97
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	5	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	5	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	5	0.97
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	5	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	5	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	5	0.97
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	5	0.97
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	5	0.96
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	4	0.96
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	4	0.96
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	4	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	4	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	4	0.96
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	4	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	4	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	4	0.96
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	4	0.96
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	1	0.96
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	1	0.96
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	1	0.96
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	1	0.96
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	1	0.96
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	1	0.96
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	19	0.96
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	19	0.96
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	19	0.96
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	19	0.96
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	19	0.96
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	19	0.96
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	19	0.96
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	19	0.96
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	6	0.96
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	6	0.96
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	6	0.96
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	18	0.96
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	18	0.96
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	18	0.96
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	18	0.96
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	18	0.96
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	18	0.96
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	4	0.96
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	4	0.96
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	4	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	4	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	4	0.96
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	4	0.96
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	4	0.96
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	4	0.96
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	4	0.96
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	16	0.96
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	16	0.96
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	16	0.96
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	13	0.96
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	13	0.96
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	13	0.96
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	1	0.96
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	5	0.95
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	5	0.95
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	5	0.95
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	16	0.95
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	16	0.95
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	16	0.95
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	5	0.95
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	5	0.95
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	7	0.95
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	7	0.95
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	7	0.95
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	20	0.95
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	13	0.95
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	3	0.95
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	3	0.95
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	3	0.95
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	6	0.95
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	6	0.95
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	6	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	6	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	6	0.95
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	6	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	6	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	6	0.95
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	6	0.95
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	7	0.95
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	11	0.95
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	11	0.95
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	11	0.95
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	2	0.95
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	2	0.95
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	2	0.95
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	2	0.95
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	2	0.95
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	2	0.95
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	2	0.95
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	2	0.95
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	2	0.95
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	15	0.94
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	11	0.94
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	14	0.94
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	5	0.94
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	4	0.94
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	4	0.94
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	4	0.94
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	4	0.94
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	4	0.94
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	4	0.94
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	18	0.94
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	18	0.94
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	18	0.94
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	18	0.94
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	18	0.94
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	18	0.94
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	18	0.94
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	18	0.94
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	13	0.94
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	13	0.94
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	13	0.94
(1,398)	1:126:A:LEU:HD11	1:127:A:ASN:H	16	0.94
(1,398)	1:126:A:LEU:HD12	1:127:A:ASN:H	16	0.94
(1,398)	1:126:A:LEU:HD13	1:127:A:ASN:H	16	0.94
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	3	0.94
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	3	0.94
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	3	0.94
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	17	0.94
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	17	0.94
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	17	0.94
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	17	0.94
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	17	0.94
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	17	0.94
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	6	0.93
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	6	0.93
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	6	0.93
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	10	0.93
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	1	0.93
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	1	0.93
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	1	0.93
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	1	0.93
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	1	0.93
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	1	0.93
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	1	0.93
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	1	0.93
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	1	0.93
(1,886)	1:13:C:ILE:HD11	1:15:C:ARG:H	1	0.93
(1,886)	1:13:C:ILE:HD12	1:15:C:ARG:H	1	0.93
(1,886)	1:13:C:ILE:HD13	1:15:C:ARG:H	1	0.93
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	7	0.93
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	19	0.93
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG21	1	0.93
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG22	1	0.93
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG23	1	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG21	1	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG22	1	0.93
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG23	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG21	1	0.93
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG22	1	0.93
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG23	1	0.93
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	15	0.93
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	15	0.93
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	15	0.93
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	15	0.93
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	15	0.93
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	15	0.93
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	15	0.93
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	15	0.93
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	18	0.93
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	17	0.93
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	17	0.93
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	17	0.93
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	17	0.93
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	17	0.93
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	17	0.93
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	17	0.93
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	17	0.93
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	17	0.93
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	6	0.93
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	6	0.93
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	6	0.93
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	6	0.93
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	6	0.93
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	6	0.93
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	4	0.92
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	16	0.92
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	4	0.92
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	4	0.92
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	4	0.92
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	7	0.92
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	7	0.92
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	7	0.92
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	6	0.92
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	6	0.92
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	6	0.92
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	6	0.92
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	6	0.92
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	6	0.92
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	15	0.92
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	15	0.92
(1,564)	1:44:B:LEU:HD11	1:45:B:ASP:H	12	0.92
(1,564)	1:44:B:LEU:HD12	1:45:B:ASP:H	12	0.92
(1,564)	1:44:B:LEU:HD13	1:45:B:ASP:H	12	0.92
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	1	0.92
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	1	0.92
(1,22)	1:13:A:ILE:HD11	1:84:A:PHE:HD1	11	0.92
(1,22)	1:13:A:ILE:HD11	1:84:A:PHE:HD2	11	0.92
(1,22)	1:13:A:ILE:HD12	1:84:A:PHE:HD1	11	0.92
(1,22)	1:13:A:ILE:HD12	1:84:A:PHE:HD2	11	0.92
(1,22)	1:13:A:ILE:HD13	1:84:A:PHE:HD1	11	0.92
(1,22)	1:13:A:ILE:HD13	1:84:A:PHE:HD2	11	0.92
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD11	12	0.91
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD12	12	0.91
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD13	12	0.91
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD11	12	0.91
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD12	12	0.91
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD13	12	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD11	12	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD12	12	0.91
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD13	12	0.91
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	8	0.91
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	8	0.91
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	6	0.91
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	6	0.91
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	6	0.91
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	6	0.91
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	9	0.91
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	10	0.91
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	13	0.91
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	13	0.91
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	13	0.91
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	13	0.91
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	13	0.91
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	13	0.91
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	13	0.91
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	13	0.91
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	13	0.91
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	8	0.9
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	8	0.9
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	11	0.9
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	11	0.9
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	11	0.9
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	11	0.9
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	11	0.9
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	11	0.9
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD21	19	0.9
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD22	19	0.9
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD23	19	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD21	19	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD22	19	0.9
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD23	19	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD21	19	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD22	19	0.9
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD23	19	0.9
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	8	0.9
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	12	0.9
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	12	0.9
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	12	0.9
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	17	0.9
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	13	0.9
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	13	0.9
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	13	0.9
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	13	0.9
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	13	0.9
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	13	0.9
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	13	0.9
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	13	0.9
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	13	0.9
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD21	10	0.9
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD22	10	0.9
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD23	10	0.9
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD21	10	0.9
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD22	10	0.9
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD23	10	0.9
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD21	10	0.9
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD22	10	0.9
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD23	10	0.9
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	14	0.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	6	0.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	6	0.9
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	6	0.9
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	6	0.9
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	6	0.9
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	16	0.9
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	16	0.9
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	16	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	16	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	16	0.9
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	16	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	16	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	16	0.9
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	16	0.9
(1,18)	1:13:A:ILE:HD11	1:14:A:GLN:H	20	0.9
(1,18)	1:13:A:ILE:HD12	1:14:A:GLN:H	20	0.9
(1,18)	1:13:A:ILE:HD13	1:14:A:GLN:H	20	0.9
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	3	0.89
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	3	0.89
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	3	0.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	3	0.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	3	0.89
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	3	0.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	3	0.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	3	0.89
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	3	0.89
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	2	0.89
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	14	0.89
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	2	0.89
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	1	0.89
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	1	0.89
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	1	0.89
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	17	0.89
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	17	0.89
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	17	0.89
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	8	0.89
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	8	0.89
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	8	0.89
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	8	0.89
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	8	0.89
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	8	0.89
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	8	0.89
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	8	0.89
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	20	0.89
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	20	0.89
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	20	0.89
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	7	0.89
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	11	0.89
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	11	0.89
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	11	0.89
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	6	0.89
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	6	0.89
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	6	0.89
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	6	0.89
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	6	0.89
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	6	0.89
(1,1480)	1:64:D:VAL:HG21	1:128:D:LEU:HD11	15	0.88
(1,1480)	1:64:D:VAL:HG21	1:128:D:LEU:HD12	15	0.88
(1,1480)	1:64:D:VAL:HG21	1:128:D:LEU:HD13	15	0.88
(1,1480)	1:64:D:VAL:HG22	1:128:D:LEU:HD11	15	0.88
(1,1480)	1:64:D:VAL:HG22	1:128:D:LEU:HD12	15	0.88
(1,1480)	1:64:D:VAL:HG22	1:128:D:LEU:HD13	15	0.88
(1,1480)	1:64:D:VAL:HG23	1:128:D:LEU:HD11	15	0.88
(1,1480)	1:64:D:VAL:HG23	1:128:D:LEU:HD12	15	0.88
(1,1480)	1:64:D:VAL:HG23	1:128:D:LEU:HD13	15	0.88
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	3	0.88
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	3	0.88
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	20	0.88
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	6	0.88
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	15	0.88
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	15	0.88
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	15	0.88
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	15	0.88
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	15	0.88
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	15	0.88
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	15	0.88
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	15	0.88
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	15	0.88
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	16	0.88
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	16	0.88
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	16	0.88
(1,885)	1:13:C:ILE:HD11	1:14:C:GLN:H	3	0.88
(1,885)	1:13:C:ILE:HD12	1:14:C:GLN:H	3	0.88
(1,885)	1:13:C:ILE:HD13	1:14:C:GLN:H	3	0.88
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	10	0.88
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	10	0.88
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	10	0.88
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	10	0.88
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	10	0.88
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	10	0.88
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	10	0.88
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	10	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	5	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	5	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	5	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	5	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	5	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	5	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	5	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	5	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	5	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	14	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	14	0.88
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	14	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	14	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	14	0.88
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	14	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	14	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	14	0.88
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	14	0.88
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	20	0.87
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	20	0.87
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	20	0.87
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	20	0.87
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	20	0.87
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	20	0.87
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	20	0.87
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	20	0.87
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	20	0.87
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	8	0.87
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	8	0.87
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	8	0.87
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	8	0.87
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	8	0.87
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	8	0.87
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	8	0.87
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	8	0.87
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	1	0.87
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	1	0.87
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	1	0.87
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	1	0.87
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	1	0.87
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	1	0.87
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	1	0.87
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	1	0.87
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	1	0.87
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	1	0.87
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	1	0.87
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	13	0.87
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	13	0.87
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	13	0.87
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	13	0.87
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	13	0.87
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	13	0.87
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	13	0.87
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	13	0.87
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	13	0.87
(1,888)	1:13:C:ILE:HD11	1:83:C:ILE:H	2	0.87
(1,888)	1:13:C:ILE:HD12	1:83:C:ILE:H	2	0.87
(1,888)	1:13:C:ILE:HD13	1:83:C:ILE:H	2	0.87
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	3	0.87
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	3	0.87
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	3	0.87
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	13	0.87
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	13	0.87
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	13	0.87
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	16	0.87
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	16	0.87
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	16	0.87
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	16	0.87
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	16	0.87
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	16	0.87
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	1	0.86
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	1	0.86
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	1	0.86
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	14	0.86
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	14	0.86
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	14	0.86
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	14	0.86
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	14	0.86
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	14	0.86
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	14	0.86
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	14	0.86
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	6	0.86
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	11	0.86
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	11	0.86
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	11	0.86
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	11	0.86
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	11	0.86
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	11	0.86
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	11	0.86
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	11	0.86
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	11	0.86
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	5	0.86
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	15	0.86
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	15	0.86
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	15	0.86
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	15	0.86
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	15	0.86
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	15	0.86
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	5	0.86
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	4	0.86
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	4	0.86
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	4	0.86
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	4	0.86
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	4	0.86
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	4	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	4	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	4	0.86
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	4	0.86
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	17	0.86
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	17	0.86
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	17	0.86
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	15	0.86
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	15	0.86
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	15	0.86
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	16	0.86
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	16	0.86
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	16	0.86
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	16	0.86
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	16	0.86
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	19	0.86
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	19	0.86
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	19	0.86
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	9	0.85
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	2	0.85
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	11	0.85
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	20	0.85
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	20	0.85
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	20	0.85
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	8	0.85
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	8	0.85
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	17	0.85
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	17	0.85
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	17	0.85
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	17	0.85
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	17	0.85
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	17	0.85
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	17	0.85
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	17	0.85
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	17	0.85
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	4	0.85
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	4	0.85
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	4	0.85
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	4	0.85
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	4	0.85
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	4	0.85
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	18	0.84
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	18	0.84
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	18	0.84
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	18	0.84
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	18	0.84
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	18	0.84
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	20	0.84
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	20	0.84
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	20	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	8	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	8	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	8	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	8	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	8	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	8	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	8	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	8	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	10	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	10	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	10	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	10	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	10	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	10	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	10	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	10	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	10	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	20	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	20	0.84
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	20	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	20	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	20	0.84
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	20	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	20	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	20	0.84
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	20	0.84
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	3	0.84
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	3	0.84
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	16	0.84
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	13	0.84
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	13	0.84
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	13	0.84
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	13	0.84
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	13	0.84
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	13	0.84
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	13	0.84
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	13	0.84
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	13	0.84
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	17	0.84
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	17	0.84
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	17	0.84
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	17	0.84
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	17	0.84
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:13:C:ILE:HD11	1:15:C:ARG:H	2	0.84
(1,886)	1:13:C:ILE:HD12	1:15:C:ARG:H	2	0.84
(1,886)	1:13:C:ILE:HD13	1:15:C:ARG:H	2	0.84
(1,835)	1:128:B:LEU:HD21	1:129:B:ALA:H	1	0.84
(1,835)	1:128:B:LEU:HD22	1:129:B:ALA:H	1	0.84
(1,835)	1:128:B:LEU:HD23	1:129:B:ALA:H	1	0.84
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	12	0.84
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	12	0.84
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	12	0.84
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG21	12	0.84
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG22	12	0.84
(1,546)	1:42:B:LEU:HD11	1:64:B:VAL:HG23	12	0.84
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG21	12	0.84
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG22	12	0.84
(1,546)	1:42:B:LEU:HD12	1:64:B:VAL:HG23	12	0.84
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG21	12	0.84
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG22	12	0.84
(1,546)	1:42:B:LEU:HD13	1:64:B:VAL:HG23	12	0.84
(1,404)	1:131:A:VAL:HG11	1:133:A:PHE:H	18	0.84
(1,404)	1:131:A:VAL:HG12	1:133:A:PHE:H	18	0.84
(1,404)	1:131:A:VAL:HG13	1:133:A:PHE:H	18	0.84
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	8	0.84
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	13	0.84
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	8	0.83
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	8	0.83
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	8	0.83
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	2	0.83
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	2	0.83
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	2	0.83
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	2	0.83
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	2	0.83
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	2	0.83
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	2	0.83
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	2	0.83
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	2	0.83
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	18	0.83
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	15	0.83
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	19	0.83
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	2	0.83
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	2	0.83
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	2	0.83
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	2	0.83
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	18	0.83
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	14	0.83
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	14	0.83
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	14	0.83
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	16	0.83
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	19	0.83
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	19	0.83
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	11	0.83
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	1	0.83
(1,1659)	1:136:D:LEU:H	1:139:D:ASN:H	6	0.82
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	20	0.82
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	20	0.82
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	20	0.82
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	20	0.82
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	20	0.82
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	20	0.82
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	20	0.82
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	20	0.82
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	20	0.82
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	15	0.82
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	15	0.82
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	15	0.82
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	2	0.82
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	2	0.82
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	2	0.82
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	2	0.82
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	2	0.82
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	2	0.82
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	2	0.82
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	2	0.82
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	2	0.82
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	19	0.82
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	19	0.82
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	19	0.82
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	19	0.82
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	19	0.82
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	19	0.82
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	19	0.82
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	19	0.82
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	19	0.82
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	6	0.82
(1,852)	1:135:B:ALA:HB1	1:13:D:ILE:H	17	0.82
(1,852)	1:135:B:ALA:HB2	1:13:D:ILE:H	17	0.82
(1,852)	1:135:B:ALA:HB3	1:13:D:ILE:H	17	0.82
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	20	0.82
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	12	0.82
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	12	0.82
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	12	0.82
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	5	0.82
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	8	0.82
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	8	0.82
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	8	0.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	2	0.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	2	0.82
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	2	0.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	2	0.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	2	0.82
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	2	0.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	2	0.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	2	0.82
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	2	0.82
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	6	0.81
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	6	0.81
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	6	0.81
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	20	0.81
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	20	0.81
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	20	0.81
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	20	0.81
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	5	0.81
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	15	0.81
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	15	0.81
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	15	0.81
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	15	0.81
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	15	0.81
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	15	0.81
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	15	0.81
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	15	0.81
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	15	0.81
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	12	0.81
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	12	0.81
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	12	0.81
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	12	0.81
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	12	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	12	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	12	0.81
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	12	0.81
(1,526)	1:36:B:TRP:HE1	1:37:B:GLN:H	5	0.81
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	4	0.81
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	4	0.81
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	4	0.81
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	20	0.81
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	18	0.81
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	18	0.81
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	18	0.81
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	12	0.81
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	12	0.81
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	12	0.81
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	11	0.81
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	11	0.81
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	11	0.81
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	11	0.81
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	11	0.81
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	11	0.81
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	5	0.81
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	5	0.81
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	9	0.81
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	9	0.81
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	9	0.81
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	13	0.8
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	2	0.8
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	2	0.8
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	5	0.8
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	5	0.8
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	5	0.8
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	16	0.8
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	16	0.8
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	16	0.8
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	17	0.8
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	17	0.8
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	17	0.8
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	1	0.8
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	1	0.8
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	20	0.8
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	20	0.8
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	20	0.8
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	2	0.8
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	2	0.8
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	4	0.79
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	4	0.79
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	4	0.79
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	13	0.79
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	12	0.79
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	12	0.79
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	12	0.79
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	12	0.79
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	12	0.79
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	12	0.79
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	7	0.79
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	7	0.79
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	20	0.79
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	20	0.79
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	20	0.79
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	20	0.79
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	20	0.79
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	20	0.79
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	2	0.79
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	15	0.79
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	8	0.79
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	8	0.79
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	8	0.79
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	18	0.79
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	18	0.79
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	18	0.79
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	18	0.79
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	18	0.79
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	18	0.79
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	18	0.79
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	18	0.79
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	18	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	7	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	7	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	7	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	7	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	7	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	10	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	10	0.79
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	10	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	10	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	10	0.79
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	10	0.79
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	7	0.79
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	7	0.79
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	4	0.79
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	4	0.79
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	4	0.79
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	14	0.78
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	14	0.78
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	14	0.78
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	20	0.78
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	20	0.78
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	20	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	20	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	20	0.78
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	20	0.78
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	20	0.78
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	20	0.78
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	20	0.78
(1,885)	1:13:C:ILE:HD11	1:14:C:GLN:H	2	0.78
(1,885)	1:13:C:ILE:HD12	1:14:C:GLN:H	2	0.78
(1,885)	1:13:C:ILE:HD13	1:14:C:GLN:H	2	0.78
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	5	0.78
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	5	0.78
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	5	0.78
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	5	0.78
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	5	0.78
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	5	0.78
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	5	0.78
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	5	0.78
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	5	0.78
(1,513)	1:31:B:VAL:HG11	1:32:B:PHE:H	17	0.78
(1,513)	1:31:B:VAL:HG12	1:32:B:PHE:H	17	0.78
(1,513)	1:31:B:VAL:HG13	1:32:B:PHE:H	17	0.78
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	8	0.78
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	16	0.78
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	16	0.78
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	16	0.78
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	16	0.78
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	16	0.78
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	16	0.78
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	16	0.78
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	16	0.78
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	13	0.78
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	1	0.78
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	3	0.77
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	3	0.77
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	3	0.77
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	3	0.77
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	3	0.77
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	3	0.77
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	1	0.77
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	1	0.77
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	1	0.77
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	1	0.77
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	1	0.77
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	1	0.77
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	1	0.77
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	1	0.77
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	1	0.77
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	10	0.77
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	10	0.77
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	10	0.77
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	17	0.77
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	5	0.77
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	5	0.77
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	5	0.77
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	5	0.77
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	5	0.77
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	5	0.77
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	5	0.77
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	5	0.77
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	5	0.77
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	1	0.77
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	1	0.77
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	1	0.77
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD11	3	0.77
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD12	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:65:B:THR:H	1:126:B:LEU:HD13	3	0.77
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	15	0.77
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	15	0.77
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	15	0.77
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	15	0.77
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	15	0.77
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	15	0.77
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	15	0.77
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	15	0.77
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	15	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	10	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	10	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	10	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	10	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	10	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	10	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	15	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	15	0.77
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	15	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	15	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	15	0.77
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	15	0.77
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	17	0.77
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	18	0.77
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	3	0.77
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	3	0.77
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	3	0.77
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	3	0.77
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	3	0.77
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	3	0.77
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	3	0.77
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	3	0.77
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	3	0.77
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	5	0.77
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	5	0.77
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	5	0.77
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	17	0.76
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE1	13	0.76
(1,1644)	1:131:D:VAL:HG11	1:133:D:PHE:HE2	13	0.76
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE1	13	0.76
(1,1644)	1:131:D:VAL:HG12	1:133:D:PHE:HE2	13	0.76
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE1	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:131:D:VAL:HG13	1:133:D:PHE:HE2	13	0.76
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	3	0.76
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	3	0.76
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	3	0.76
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	12	0.76
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	9	0.76
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	9	0.76
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	1	0.76
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	1	0.76
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	1	0.76
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	1	0.76
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	1	0.76
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	1	0.76
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	1	0.76
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	1	0.76
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	1	0.76
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	1	0.76
(1,956)	1:31:C:VAL:HG21	1:34:C:LYS:H	17	0.76
(1,956)	1:31:C:VAL:HG22	1:34:C:LYS:H	17	0.76
(1,956)	1:31:C:VAL:HG23	1:34:C:LYS:H	17	0.76
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	18	0.76
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	18	0.76
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	18	0.76
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	14	0.76
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	14	0.76
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	14	0.76
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	12	0.76
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	12	0.76
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	12	0.76
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	2	0.75
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	2	0.75
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	2	0.75
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	2	0.75
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	2	0.75
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	2	0.75
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	2	0.75
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	2	0.75
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	2	0.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	19	0.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	19	0.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	19	0.75
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	19	0.75
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	19	0.75
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	14	0.75
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	14	0.75
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	14	0.75
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	2	0.75
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	2	0.75
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	2	0.75
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	7	0.75
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	17	0.75
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	17	0.75
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	17	0.75
(1,885)	1:13:C:ILE:HD11	1:14:C:GLN:H	1	0.75
(1,885)	1:13:C:ILE:HD12	1:14:C:GLN:H	1	0.75
(1,885)	1:13:C:ILE:HD13	1:14:C:GLN:H	1	0.75
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	2	0.75
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	20	0.75
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	20	0.75
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	20	0.75
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	20	0.75
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	20	0.75
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	20	0.75
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD21	12	0.75
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD22	12	0.75
(1,824)	1:118:B:VAL:HG21	1:126:B:LEU:HD23	12	0.75
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD21	12	0.75
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD22	12	0.75
(1,824)	1:118:B:VAL:HG22	1:126:B:LEU:HD23	12	0.75
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD21	12	0.75
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD22	12	0.75
(1,824)	1:118:B:VAL:HG23	1:126:B:LEU:HD23	12	0.75
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	7	0.74
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	7	0.74
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	7	0.74
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	7	0.74
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	7	0.74
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	7	0.74
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	2	0.74
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	19	0.74
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	17	0.74
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	19	0.74
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	15	0.74
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	15	0.74
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	15	0.74
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	15	0.74
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	15	0.74
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	19	0.74
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	19	0.74
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	20	0.74
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	2	0.74
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	2	0.74
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	2	0.74
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	13	0.74
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	13	0.74
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	13	0.74
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	13	0.74
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	13	0.74
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	13	0.74
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	13	0.74
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	13	0.74
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	13	0.74
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	16	0.74
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	4	0.74
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	8	0.74
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	11	0.73
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	11	0.73
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	11	0.73
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	11	0.73
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	11	0.73
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	11	0.73
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	11	0.73
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	11	0.73
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	11	0.73
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	18	0.73
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	18	0.73
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	18	0.73
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	6	0.73
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	6	0.73
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	7	0.73
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	7	0.73
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	7	0.73
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	7	0.73
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	7	0.73
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	7	0.73
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	7	0.73
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	7	0.73
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	3	0.73
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	13	0.73
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	13	0.73
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	13	0.73
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	13	0.73
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	13	0.73
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	13	0.73
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	13	0.73
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	13	0.73
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	13	0.73
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	18	0.73
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	11	0.73
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	11	0.73
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	11	0.73
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	11	0.73
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	11	0.73
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	11	0.73
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	20	0.73
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	20	0.73
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	20	0.73
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	20	0.73
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	20	0.73
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	20	0.73
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	20	0.73
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	20	0.73
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	20	0.73
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	6	0.72
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	6	0.72
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	6	0.72
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	8	0.72
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	14	0.72
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	14	0.72
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	14	0.72
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	14	0.72
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	14	0.72
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	14	0.72
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	5	0.72
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD21	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD22	20	0.72
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD23	20	0.72
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD21	20	0.72
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD22	20	0.72
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD23	20	0.72
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD21	20	0.72
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD22	20	0.72
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD23	20	0.72
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD11	1	0.72
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD12	1	0.72
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD13	1	0.72
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	20	0.72
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	11	0.72
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	11	0.72
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	11	0.72
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	11	0.72
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	11	0.72
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	11	0.72
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	11	0.72
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	11	0.72
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	11	0.72
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	8	0.72
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	8	0.72
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	8	0.72
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	8	0.72
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	8	0.72
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	8	0.72
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	1	0.71
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	1	0.71
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	1	0.71
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	2	0.71
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	2	0.71
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	2	0.71
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	12	0.71
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	12	0.71
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	17	0.71
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	15	0.71
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	15	0.71
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	15	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	15	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	15	0.71
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	15	0.71
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	15	0.71
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	15	0.71
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	1	0.71
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	11	0.71
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	12	0.71
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	16	0.71
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	16	0.71
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	16	0.71
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	17	0.71
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	17	0.71
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	17	0.71
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	17	0.71
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	17	0.71
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	17	0.71
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	17	0.71
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	17	0.71
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	17	0.71
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	9	0.71
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	9	0.71
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	15	0.71
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	15	0.71
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	15	0.71
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	17	0.71
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	17	0.71
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	17	0.71
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	17	0.71
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	17	0.71
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	17	0.71
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	10	0.7
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	10	0.7
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	10	0.7
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	12	0.7
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	12	0.7
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	12	0.7
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	12	0.7
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	12	0.7
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	12	0.7
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	12	0.7
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	12	0.7
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	12	0.7
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:136:C:LEU:H	1:139:C:ASN:H	8	0.7
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	17	0.7
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	17	0.7
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	17	0.7
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	17	0.7
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	17	0.7
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	17	0.7
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	17	0.7
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	17	0.7
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	17	0.7
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	6	0.7
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	17	0.7
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	17	0.7
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	8	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	19	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	19	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	19	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	20	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	20	0.7
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	20	0.7
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	5	0.69
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	5	0.69
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	5	0.69
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	19	0.69
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	19	0.69
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	19	0.69
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	19	0.69
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	19	0.69
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	19	0.69
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	19	0.69
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	19	0.69
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	19	0.69
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	15	0.69
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	7	0.69
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	7	0.69
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	11	0.69
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	11	0.69
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	11	0.69
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	4	0.69
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	4	0.69
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	4	0.69
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	9	0.69
(1,1044)	1:56:C:TYR:H	1:86:C:ILE:H	11	0.69
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	18	0.69
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	18	0.69
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	18	0.69
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	18	0.69
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	18	0.69
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	18	0.69
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	18	0.69
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	18	0.69
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	18	0.69
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	2	0.69
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	2	0.69
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	2	0.69
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	2	0.69
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	2	0.69
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	2	0.69
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG11	7	0.69
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG12	7	0.69
(1,545)	1:42:B:LEU:HD11	1:62:B:VAL:HG13	7	0.69
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG11	7	0.69
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG12	7	0.69
(1,545)	1:42:B:LEU:HD12	1:62:B:VAL:HG13	7	0.69
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG11	7	0.69
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG12	7	0.69
(1,545)	1:42:B:LEU:HD13	1:62:B:VAL:HG13	7	0.69
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	3	0.69
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	3	0.69
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	3	0.69
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	10	0.69
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	10	0.69
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	10	0.69
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	10	0.69
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	10	0.69
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	10	0.69
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	10	0.69
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	10	0.69
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	10	0.69
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	19	0.69
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	19	0.69
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	18	0.68
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	2	0.68
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	2	0.68
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	2	0.68
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	2	0.68
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	2	0.68
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	2	0.68
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	2	0.68
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	2	0.68
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	4	0.68
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	18	0.68
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	20	0.68
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	20	0.68
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	20	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	3	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	3	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	3	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	3	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	3	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	3	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	3	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	3	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	3	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	7	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	7	0.68
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	7	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	7	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	7	0.68
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	7	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	7	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	7	0.68
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	7	0.68
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	11	0.68
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	11	0.68
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	11	0.68
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	11	0.68
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	11	0.68
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	11	0.68
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	11	0.68
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	11	0.68
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	11	0.68
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	16	0.68
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	16	0.68
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	16	0.68
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	16	0.68
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	16	0.68
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	16	0.68
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	16	0.68
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	16	0.68
(1,398)	1:126:A:LEU:HD11	1:127:A:ASN:H	10	0.68
(1,398)	1:126:A:LEU:HD12	1:127:A:ASN:H	10	0.68
(1,398)	1:126:A:LEU:HD13	1:127:A:ASN:H	10	0.68
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	14	0.68
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	12	0.68
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	12	0.68
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	12	0.68
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	12	0.68
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	12	0.68
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	12	0.68
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	15	0.68
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	15	0.68
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	15	0.68
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	20	0.67
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	20	0.67
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	20	0.67
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	20	0.67
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	20	0.67
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	20	0.67
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD21	4	0.67
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD22	4	0.67
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD23	4	0.67
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD21	4	0.67
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD22	4	0.67
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD23	4	0.67
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD21	4	0.67
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD22	4	0.67
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD23	4	0.67
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	15	0.67
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	10	0.67
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	10	0.67
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	2	0.67
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	6	0.67
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	18	0.67
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	2	0.67
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	2	0.67
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	7	0.67
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	7	0.67
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	13	0.67
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	16	0.67
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	13	0.67
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	13	0.67
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	13	0.67
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	13	0.67
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	13	0.67
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	13	0.67
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	13	0.67
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	13	0.67
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	13	0.67
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	5	0.67
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	14	0.67
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	11	0.66
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD11	7	0.66
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD12	7	0.66
(1,1547)	1:86:D:ILE:HD11	1:89:D:ILE:HD13	7	0.66
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD11	7	0.66
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD12	7	0.66
(1,1547)	1:86:D:ILE:HD12	1:89:D:ILE:HD13	7	0.66
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD11	7	0.66
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD12	7	0.66
(1,1547)	1:86:D:ILE:HD13	1:89:D:ILE:HD13	7	0.66
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	7	0.66
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	20	0.66
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	20	0.66
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	20	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	20	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	20	0.66
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	20	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	20	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	20	0.66
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	20	0.66
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD1	17	0.66
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD2	17	0.66
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	1	0.66
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	1	0.66
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	1	0.66
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	1	0.66
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	1	0.66
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	1	0.66
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	1	0.66
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	1	0.66
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	14	0.66
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	12	0.66
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	11	0.66
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	13	0.66
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	13	0.66
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	13	0.66
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	10	0.66
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	10	0.66
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	10	0.66
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	6	0.66
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	10	0.66
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	10	0.66
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	12	0.66
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	12	0.66
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	12	0.66
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	12	0.66
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	12	0.66
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	12	0.66
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	12	0.66
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	12	0.66
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	12	0.66
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	1	0.66
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	1	0.66
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	1	0.66
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG11	10	0.66
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG12	10	0.66
(1,569)	1:44:B:LEU:HD21	1:131:B:VAL:HG13	10	0.66
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG11	10	0.66
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG12	10	0.66
(1,569)	1:44:B:LEU:HD22	1:131:B:VAL:HG13	10	0.66
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG11	10	0.66
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG12	10	0.66
(1,569)	1:44:B:LEU:HD23	1:131:B:VAL:HG13	10	0.66
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	1	0.66
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	17	0.66
(1,143)	1:44:A:LEU:HD11	1:45:A:ASP:H	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:44:A:LEU:HD12	1:45:A:ASP:H	5	0.66
(1,143)	1:44:A:LEU:HD13	1:45:A:ASP:H	5	0.66
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	4	0.66
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	4	0.66
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	4	0.66
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	1	0.65
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD1	11	0.65
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD2	11	0.65
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD1	11	0.65
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD2	11	0.65
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD1	11	0.65
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD2	11	0.65
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	7	0.65
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	7	0.65
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	7	0.65
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	7	0.65
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	7	0.65
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	7	0.65
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	7	0.65
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	7	0.65
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	7	0.65
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	3	0.65
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	4	0.65
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	4	0.65
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	4	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	4	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	4	0.65
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	4	0.65
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	4	0.65
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	4	0.65
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	4	0.65
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	19	0.65
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	19	0.65
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	19	0.65
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	19	0.65
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	19	0.65
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	19	0.65
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	8	0.65
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	8	0.65
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	4	0.65
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	12	0.65
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	11	0.65
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	11	0.65
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	11	0.65
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	11	0.65
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	11	0.65
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	11	0.65
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	11	0.65
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	11	0.65
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	13	0.65
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	13	0.65
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	8	0.65
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	5	0.65
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	10	0.65
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	10	0.65
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	10	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	10	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	10	0.65
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	10	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	10	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	10	0.65
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	10	0.65
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	1	0.65
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	1	0.65
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	1	0.65
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	1	0.65
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	1	0.65
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	1	0.65
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	3	0.65
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	3	0.65
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	3	0.65
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	3	0.65
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	3	0.65
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	3	0.65
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	13	0.65
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	13	0.65
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	13	0.65
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	13	0.65
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	13	0.65
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	13	0.65
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	13	0.65
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	13	0.65
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	19	0.65
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	19	0.65
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	19	0.65
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	19	0.65
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	19	0.65
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	19	0.65
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	19	0.65
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	19	0.65
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	19	0.65
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	12	0.65
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	10	0.64
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	10	0.64
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	10	0.64
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	15	0.64
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	15	0.64
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD21	6	0.64
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD22	6	0.64
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD23	6	0.64
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD21	6	0.64
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD22	6	0.64
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD23	6	0.64
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD21	6	0.64
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD22	6	0.64
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD23	6	0.64
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD21	9	0.64
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD22	9	0.64
(1,1235)	1:118:C:VAL:HG11	1:126:C:LEU:HD23	9	0.64
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD21	9	0.64
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD22	9	0.64
(1,1235)	1:118:C:VAL:HG12	1:126:C:LEU:HD23	9	0.64
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD21	9	0.64
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD22	9	0.64
(1,1235)	1:118:C:VAL:HG13	1:126:C:LEU:HD23	9	0.64
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	17	0.64
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	2	0.64
(1,1044)	1:56:C:TYR:H	1:86:C:ILE:H	16	0.64
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	1	0.64
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	6	0.64
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	6	0.64
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	6	0.64
(1,952)	1:31:C:VAL:H	1:33:C:GLN:H	13	0.64
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	2	0.64
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	2	0.64
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	2	0.64
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	2	0.64
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	2	0.64
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	2	0.64
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	2	0.64
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	2	0.64
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	4	0.64
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	17	0.64
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	14	0.64
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	5	0.64
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	4	0.64
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	1	0.64
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	1	0.64
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	1	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	1	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	1	0.64
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	1	0.64
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	20	0.63
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	20	0.63
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	20	0.63
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	20	0.63
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	20	0.63
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	20	0.63
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	20	0.63
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	20	0.63
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	20	0.63
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	11	0.63
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	11	0.63
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	16	0.63
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	16	0.63
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	16	0.63
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	16	0.63
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	16	0.63
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	16	0.63
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	15	0.63
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	15	0.63
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	15	0.63
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	15	0.63
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	15	0.63
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	4	0.63
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	4	0.63
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	20	0.63
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	20	0.63
(1,1260)	1:135:C:ALA:H	1:138:C:MET:H	8	0.63
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	7	0.63
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	2	0.63
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	2	0.63
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	2	0.63
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE1	11	0.63
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE2	11	0.63
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE1	11	0.63
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE2	11	0.63
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE1	11	0.63
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE2	11	0.63
(1,953)	1:31:C:VAL:HG11	1:32:C:PHE:H	17	0.63
(1,953)	1:31:C:VAL:HG12	1:32:C:PHE:H	17	0.63
(1,953)	1:31:C:VAL:HG13	1:32:C:PHE:H	17	0.63
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	14	0.63
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	19	0.63
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	8	0.63
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	11	0.63
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	6	0.63
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	17	0.63
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	17	0.63
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	17	0.63
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	17	0.63
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	17	0.63
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	17	0.63
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	17	0.63
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	17	0.63
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	17	0.63
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	10	0.63
(1,410)	1:133:A:PHE:H	1:136:A:LEU:H	9	0.63
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	3	0.63
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	17	0.63
(1,2)	1:9:A:MET:HE1	1:11:A:PHE:H	7	0.63
(1,2)	1:9:A:MET:HE2	1:11:A:PHE:H	7	0.63
(1,2)	1:9:A:MET:HE3	1:11:A:PHE:H	7	0.63
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	10	0.62
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	3	0.62
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	3	0.62
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	6	0.62
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	13	0.62
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	13	0.62
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	13	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	13	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	13	0.62
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	13	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	13	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	13	0.62
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	13	0.62
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	17	0.62
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	17	0.62
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	17	0.62
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	17	0.62
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	17	0.62
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	8	0.62
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD11	13	0.62
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD12	13	0.62
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD13	13	0.62
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD11	13	0.62
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD12	13	0.62
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD13	13	0.62
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD11	13	0.62
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD12	13	0.62
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD13	13	0.62
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	1	0.62
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	17	0.62
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	9	0.62
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	10	0.62
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	20	0.62
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	20	0.62
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	20	0.62
(1,143)	1:44:A:LEU:HD11	1:45:A:ASP:H	19	0.62
(1,143)	1:44:A:LEU:HD12	1:45:A:ASP:H	19	0.62
(1,143)	1:44:A:LEU:HD13	1:45:A:ASP:H	19	0.62
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	7	0.62
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	7	0.62
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	7	0.62
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	7	0.62
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	7	0.62
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	8	0.61
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	8	0.61
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	8	0.61
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	15	0.61
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	15	0.61
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	15	0.61
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	6	0.61
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	6	0.61
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	6	0.61
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	4	0.61
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	2	0.61
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	14	0.61
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	19	0.61
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	19	0.61
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	19	0.61
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	4	0.61
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	3	0.61
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	6	0.61
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	19	0.61
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	18	0.61
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG11	18	0.61
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG12	18	0.61
(1,85)	1:30:A:HIS:H	1:31:A:VAL:HG13	18	0.61
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	12	0.6
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD11	11	0.6
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD12	11	0.6
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD13	11	0.6
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD11	11	0.6
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD12	11	0.6
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD13	11	0.6
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD11	11	0.6
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD12	11	0.6
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD13	11	0.6
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	14	0.6
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	14	0.6
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	14	0.6
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	14	0.6
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	14	0.6
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	14	0.6
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	14	0.6
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	14	0.6
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	1	0.6
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	20	0.6
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	7	0.6
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	2	0.6
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	2	0.6
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	2	0.6
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	2	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	2	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	2	0.6
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	2	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	2	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	2	0.6
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	2	0.6
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	7	0.6
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	13	0.6
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	15	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	1	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	1	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	1	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	1	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	1	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	1	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	1	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	1	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	1	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	11	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	11	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	11	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	11	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	11	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	11	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	11	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	11	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	11	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	14	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	14	0.6
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	14	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	14	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	14	0.6
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	14	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	14	0.6
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	14	0.6
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	7	0.6
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	9	0.6
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	9	0.6
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	9	0.6
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	15	0.6
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	15	0.6
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	9	0.6
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	9	0.6
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	9	0.6
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	14	0.59
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	15	0.59
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	1	0.59
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	8	0.59
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	19	0.59
(1,1172)	1:90:C:GLU:H	1:93:C:GLN:H	17	0.59
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE1	11	0.59
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE2	11	0.59
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE1	11	0.59
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE2	11	0.59
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE1	11	0.59
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE2	11	0.59
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	3	0.59
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	16	0.59
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	16	0.59
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	16	0.59
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD11	18	0.59
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD12	18	0.59
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD13	18	0.59
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD11	18	0.59
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD12	18	0.59
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD13	18	0.59
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD11	18	0.59
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD12	18	0.59
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD13	18	0.59
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	15	0.59
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	15	0.59
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	15	0.59
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	12	0.59
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	2	0.59
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	18	0.59
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	10	0.59
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	10	0.59
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	10	0.59
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	10	0.59
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	10	0.59
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	10	0.59
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	10	0.59
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	10	0.59
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE1	9	0.59
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE2	9	0.59
(1,353)	1:101:A:TYR:HE1	1:138:C:MET:HE3	9	0.59
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE1	9	0.59
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE2	9	0.59
(1,353)	1:101:A:TYR:HE2	1:138:C:MET:HE3	9	0.59
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	1	0.59
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE1	1	0.59
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE2	1	0.59
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE3	1	0.59
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	7	0.59
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	7	0.59
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	7	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	7	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	7	0.59
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	7	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	7	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	7	0.59
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	7	0.59
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	1	0.59
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	1	0.59
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	1	0.59
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	12	0.59
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	12	0.59
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	12	0.59
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	7	0.58
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	7	0.58
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	7	0.58
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	13	0.58
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	13	0.58
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	13	0.58
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	15	0.58
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	5	0.58
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	18	0.58
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	18	0.58
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	18	0.58
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	18	0.58
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	18	0.58
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	18	0.58
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD11	15	0.58
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD12	15	0.58
(1,1295)	1:13:D:ILE:HD11	1:105:D:ILE:HD13	15	0.58
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD11	15	0.58
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD12	15	0.58
(1,1295)	1:13:D:ILE:HD12	1:105:D:ILE:HD13	15	0.58
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD11	15	0.58
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD12	15	0.58
(1,1295)	1:13:D:ILE:HD13	1:105:D:ILE:HD13	15	0.58
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	18	0.58
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	11	0.58
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	11	0.58
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	11	0.58
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	11	0.58
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	11	0.58
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	11	0.58
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	11	0.58
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	11	0.58
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	11	0.58
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	20	0.58
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	20	0.58
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	20	0.58
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	20	0.58
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	20	0.58
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	20	0.58
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	20	0.58
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	20	0.58
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	20	0.58
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD11	8	0.58
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD12	8	0.58
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD13	8	0.58
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD11	8	0.58
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD12	8	0.58
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD13	8	0.58
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD21	1	0.58
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD22	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD23	1	0.58
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD21	1	0.58
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD22	1	0.58
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD23	1	0.58
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD21	1	0.58
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD22	1	0.58
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD23	1	0.58
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	1	0.58
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	1	0.58
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	1	0.58
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	1	0.58
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	1	0.58
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	1	0.58
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	1	0.58
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	1	0.58
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	1	0.58
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	16	0.58
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	16	0.58
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	16	0.58
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	16	0.58
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	16	0.58
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	16	0.58
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	16	0.58
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	16	0.58
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	16	0.58
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	9	0.58
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	9	0.58
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	8	0.58
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	8	0.58
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	8	0.58
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	7	0.58
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	1	0.58
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	1	0.58
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	1	0.58
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	1	0.58
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	1	0.58
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	1	0.58
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE1	6	0.58
(1,407)	1:131:A:VAL:HG21	1:133:A:PHE:HE2	6	0.58
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE1	6	0.58
(1,407)	1:131:A:VAL:HG22	1:133:A:PHE:HE2	6	0.58
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE1	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:131:A:VAL:HG23	1:133:A:PHE:HE2	6	0.58
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	20	0.58
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	11	0.58
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	12	0.58
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	17	0.58
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	18	0.58
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	18	0.58
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	18	0.58
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	18	0.58
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	18	0.58
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	18	0.58
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	3	0.57
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	17	0.57
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD11	7	0.57
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD12	7	0.57
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD13	7	0.57
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD11	7	0.57
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD12	7	0.57
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD13	7	0.57
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD11	7	0.57
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD12	7	0.57
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD13	7	0.57
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	14	0.57
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	7	0.57
(1,1314)	1:19:D:LYS:H	1:79:D:GLN:H	4	0.57
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	6	0.57
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	6	0.57
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	6	0.57
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	6	0.57
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	6	0.57
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	6	0.57
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	20	0.57
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	13	0.57
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	3	0.57
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	3	0.57
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	3	0.57
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	3	0.57
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	3	0.57
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	3	0.57
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	3	0.57
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	3	0.57
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	8	0.57
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	8	0.57
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	8	0.57
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	13	0.57
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	13	0.57
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	13	0.57
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	13	0.57
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	13	0.57
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	13	0.57
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	13	0.57
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	13	0.57
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	13	0.57
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	13	0.57
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	19	0.57
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	5	0.57
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	5	0.57
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	20	0.57
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	13	0.57
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	9	0.57
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD21	20	0.56
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD22	20	0.56
(1,1478)	1:64:D:VAL:HG11	1:126:D:LEU:HD23	20	0.56
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD21	20	0.56
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD22	20	0.56
(1,1478)	1:64:D:VAL:HG12	1:126:D:LEU:HD23	20	0.56
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD21	20	0.56
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD22	20	0.56
(1,1478)	1:64:D:VAL:HG13	1:126:D:LEU:HD23	20	0.56
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	19	0.56
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	19	0.56
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	10	0.56
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	8	0.56
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	8	0.56
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	8	0.56
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	8	0.56
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	8	0.56
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	8	0.56
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	8	0.56
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	8	0.56
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	8	0.56
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	13	0.56
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	1	0.56
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	1	0.56
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	3	0.56
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	4	0.56
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	7	0.56
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	7	0.56
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	7	0.56
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	18	0.56
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	18	0.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	16	0.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	16	0.56
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	16	0.56
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	10	0.56
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE1	10	0.56
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE2	10	0.56
(1,303)	1:86:A:ILE:HD11	1:94:A:MET:HE3	10	0.56
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE1	10	0.56
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE2	10	0.56
(1,303)	1:86:A:ILE:HD12	1:94:A:MET:HE3	10	0.56
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE1	10	0.56
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE2	10	0.56
(1,303)	1:86:A:ILE:HD13	1:94:A:MET:HE3	10	0.56
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	5	0.56
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	6	0.56
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	11	0.55
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD21	11	0.55
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD22	11	0.55
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD23	11	0.55
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD21	11	0.55
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD22	11	0.55
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD23	11	0.55
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD21	11	0.55
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD22	11	0.55
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD23	11	0.55
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	6	0.55
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	7	0.55
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	12	0.55
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	9	0.55
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	9	0.55
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	7	0.55
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	14	0.55
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	3	0.55
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	3	0.55
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	20	0.55
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	16	0.55
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	16	0.55
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	16	0.55
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	16	0.55
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	16	0.55
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	16	0.55
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	16	0.55
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	16	0.55
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	16	0.55
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	9	0.55
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	20	0.55
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	20	0.55
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	5	0.55
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	5	0.55
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	5	0.55
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	5	0.55
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	5	0.55
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	5	0.55
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	5	0.55
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	5	0.55
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	5	0.55
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	6	0.55
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	6	0.55
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	6	0.55
(1,835)	1:128:B:LEU:HD21	1:129:B:ALA:H	12	0.55
(1,835)	1:128:B:LEU:HD22	1:129:B:ALA:H	12	0.55
(1,835)	1:128:B:LEU:HD23	1:129:B:ALA:H	12	0.55
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	10	0.55
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	13	0.55
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	5	0.55
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	5	0.55
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	5	0.55
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	5	0.55
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	5	0.55
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	5	0.55
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	5	0.55
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	5	0.55
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	5	0.55
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	6	0.55
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	6	0.55
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	6	0.55
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	6	0.55
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	6	0.55
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	6	0.55
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	6	0.55
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	6	0.55
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	6	0.55
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	3	0.55
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD21	3	0.55
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD22	3	0.55
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD23	3	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD21	3	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD22	3	0.55
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD23	3	0.55
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD21	3	0.55
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD22	3	0.55
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD23	3	0.55
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	4	0.55
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	4	0.55
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	4	0.55
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	4	0.55
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	4	0.55
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	4	0.55
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	4	0.55
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	4	0.55
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	4	0.55
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	17	0.55
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	17	0.55
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	17	0.55
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	17	0.55
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	17	0.55
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	17	0.55
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	17	0.55
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	17	0.55
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	17	0.55
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	4	0.55
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	16	0.55
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	16	0.55
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	7	0.55
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	2	0.54
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	14	0.54
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	14	0.54
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	14	0.54
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	16	0.54
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD21	13	0.54
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD22	13	0.54
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD23	13	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD21	13	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD22	13	0.54
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD23	13	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD21	13	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD22	13	0.54
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD23	13	0.54
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	4	0.54
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	10	0.54
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	10	0.54
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	8	0.54
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	8	0.54
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	8	0.54
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	8	0.54
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	8	0.54
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	8	0.54
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	6	0.54
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	19	0.54
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	20	0.54
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	5	0.54
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	19	0.54
(1,404)	1:131:A:VAL:HG11	1:133:A:PHE:H	16	0.54
(1,404)	1:131:A:VAL:HG12	1:133:A:PHE:H	16	0.54
(1,404)	1:131:A:VAL:HG13	1:133:A:PHE:H	16	0.54
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	7	0.54
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	7	0.54
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	2	0.54
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	2	0.54
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	3	0.54
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	12	0.54
(1,1659)	1:136:D:LEU:H	1:139:D:ASN:H	1	0.53
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	16	0.53
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	11	0.53
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	16	0.53
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	18	0.53
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	18	0.53
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	18	0.53
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	18	0.53
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	18	0.53
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	18	0.53
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	20	0.53
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	19	0.53
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	19	0.53
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	12	0.53
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	3	0.53
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	4	0.53
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	10	0.53
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	19	0.53
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	19	0.53
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	19	0.53
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	6	0.53
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	6	0.53
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	6	0.53
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	13	0.53
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	17	0.53
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	17	0.53
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	6	0.53
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	6	0.53
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	11	0.53
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE1	13	0.53
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE2	13	0.53
(1,866)	1:138:B:MET:HE1	1:9:D:MET:HE3	13	0.53
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE1	13	0.53
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE2	13	0.53
(1,866)	1:138:B:MET:HE2	1:9:D:MET:HE3	13	0.53
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE1	13	0.53
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE2	13	0.53
(1,866)	1:138:B:MET:HE3	1:9:D:MET:HE3	13	0.53
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	10	0.53
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	17	0.53
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	15	0.53
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	15	0.53
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	15	0.53
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	15	0.53
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	15	0.53
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	15	0.53
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	15	0.53
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	15	0.53
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	11	0.53
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	11	0.53
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	11	0.53
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	15	0.53
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	15	0.53
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	15	0.53
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	9	0.53
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	1	0.53
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	6	0.53
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	20	0.53
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	12	0.53
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	18	0.53
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	2	0.53
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	2	0.53
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	2	0.53
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	7	0.53
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	6	0.52
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	7	0.52
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	7	0.52
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	7	0.52
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	3	0.52
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD11	19	0.52
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD12	19	0.52
(1,1368)	1:40:D:VAL:HG11	1:42:D:LEU:HD13	19	0.52
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD11	19	0.52
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD12	19	0.52
(1,1368)	1:40:D:VAL:HG12	1:42:D:LEU:HD13	19	0.52
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD11	19	0.52
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD12	19	0.52
(1,1368)	1:40:D:VAL:HG13	1:42:D:LEU:HD13	19	0.52
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	2	0.52
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	2	0.52
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	18	0.52
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	18	0.52
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	5	0.52
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	10	0.52
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	16	0.52
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	8	0.52
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	8	0.52
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	8	0.52
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	8	0.52
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	8	0.52
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	15	0.52
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	9	0.52
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	15	0.52
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	12	0.52
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	7	0.52
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	7	0.52
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	12	0.52
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	12	0.52
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	13	0.52
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	19	0.52
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	5	0.52
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	8	0.52
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	8	0.52
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	8	0.52
(1,675)	1:64:B:VAL:HG21	1:76:B:CYS:H	20	0.52
(1,675)	1:64:B:VAL:HG22	1:76:B:CYS:H	20	0.52
(1,675)	1:64:B:VAL:HG23	1:76:B:CYS:H	20	0.52
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	4	0.52
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	5	0.52
(1,455)	1:13:B:ILE:HD11	1:15:B:ARG:H	14	0.52
(1,455)	1:13:B:ILE:HD12	1:15:B:ARG:H	14	0.52
(1,455)	1:13:B:ILE:HD13	1:15:B:ARG:H	14	0.52
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	20	0.52
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	20	0.52
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	10	0.52
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	13	0.52
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	13	0.52
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	13	0.52
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	13	0.52
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	13	0.52
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	13	0.52
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	13	0.52
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	13	0.52
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	13	0.52
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	3	0.52
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	3	0.52
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	11	0.52
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	13	0.52
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	3	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	2	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	2	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	2	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	6	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	6	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	6	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	10	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	10	0.52
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	10	0.52
(1,272)	1:74:A:PHE:HD1	1:123:A:PHE:HE1	16	0.52
(1,272)	1:74:A:PHE:HD1	1:123:A:PHE:HE2	16	0.52
(1,272)	1:74:A:PHE:HD2	1:123:A:PHE:HE1	16	0.52
(1,272)	1:74:A:PHE:HD2	1:123:A:PHE:HE2	16	0.52
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	11	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	6	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	6	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	6	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	6	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	6	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	6	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	6	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	6	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	6	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	19	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	19	0.52
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	19	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	19	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	19	0.52
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	19	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	19	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	19	0.52
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	19	0.52
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	3	0.52
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	3	0.52
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	3	0.52
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	3	0.52
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	3	0.52
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	3	0.52
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	17	0.52
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	17	0.52
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	17	0.52
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	17	0.52
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	17	0.52
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	10	0.51
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	10	0.51
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	10	0.51
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	14	0.51
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	14	0.51
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	14	0.51
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	13	0.51
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	15	0.51
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	17	0.51
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	10	0.51
(1,1195)	1:99:C:GLY:H	1:102:C:CYS:H	9	0.51
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	12	0.51
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	20	0.51
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	8	0.51
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	10	0.51
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	3	0.51
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	2	0.51
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	2	0.51
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	2	0.51
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	2	0.51
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	2	0.51
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	2	0.51
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	9	0.51
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	18	0.51
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD1	6	0.51
(1,405)	1:131:A:VAL:HG11	1:133:A:PHE:HD2	6	0.51
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD1	6	0.51
(1,405)	1:131:A:VAL:HG12	1:133:A:PHE:HD2	6	0.51
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD1	6	0.51
(1,405)	1:131:A:VAL:HG13	1:133:A:PHE:HD2	6	0.51
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	9	0.51
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	19	0.51
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	19	0.51
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	19	0.51
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	2	0.51
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	19	0.51
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	6	0.51
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	5	0.51
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	5	0.51
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	5	0.51
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	5	0.51
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	5	0.51
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	5	0.51
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	8	0.51
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	8	0.51
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	8	0.51
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	18	0.51
(1,7)	1:11:A:PHE:HD1	1:12:A:GLN:H	11	0.51
(1,7)	1:11:A:PHE:HD2	1:12:A:GLN:H	11	0.51
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	5	0.5
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	5	0.5
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	5	0.5
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	5	0.5
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	5	0.5
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	5	0.5
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	5	0.5
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	5	0.5
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	5	0.5
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	10	0.5
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	10	0.5
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	10	0.5
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	9	0.5
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	10	0.5
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	8	0.5
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	8	0.5
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	8	0.5
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	10	0.5
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	16	0.5
(1,1172)	1:90:C:GLU:H	1:93:C:GLN:H	6	0.5
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	3	0.5
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	3	0.5
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	3	0.5
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	3	0.5
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	9	0.5
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	20	0.5
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	20	0.5
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	20	0.5
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	18	0.5
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	18	0.5
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	18	0.5
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	18	0.5
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	18	0.5
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	18	0.5
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	18	0.5
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	16	0.5
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	16	0.5
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	16	0.5
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	7	0.5
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	17	0.5
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	17	0.5
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	17	0.5
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	17	0.5
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	17	0.5
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	17	0.5
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	17	0.5
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	17	0.5
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	17	0.5
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	7	0.5
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	19	0.5
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	17	0.5
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE1	15	0.5
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE2	15	0.5
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE3	15	0.5
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	13	0.5
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	3	0.5
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	3	0.5
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	17	0.5
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	15	0.5
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	15	0.5
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	15	0.5
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	15	0.5
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	15	0.5
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	15	0.5
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	15	0.5
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	15	0.5
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	15	0.5
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD11	12	0.5
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD12	12	0.5
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD13	12	0.5
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD11	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD12	12	0.5
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD13	12	0.5
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD11	12	0.5
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD12	12	0.5
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD13	12	0.5
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	6	0.5
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	3	0.5
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	6	0.49
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	10	0.49
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	3	0.49
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	6	0.49
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	7	0.49
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	4	0.49
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	14	0.49
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	20	0.49
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	9	0.49
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	20	0.49
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	16	0.49
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	16	0.49
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	16	0.49
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	16	0.49
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	16	0.49
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	16	0.49
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	16	0.49
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	16	0.49
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	16	0.49
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	17	0.49
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	17	0.49
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	17	0.49
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	6	0.49
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	6	0.49
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	6	0.49
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	6	0.49
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	6	0.49
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	6	0.49
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	6	0.49
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	6	0.49
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	6	0.49
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD11	11	0.49
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD12	11	0.49
(1,615)	1:56:B:TYR:H	1:86:B:ILE:HD13	11	0.49
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	20	0.49
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	17	0.49
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	12	0.49
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	18	0.49
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	20	0.49
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	7	0.49
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE1	2	0.49
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE2	2	0.49
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE3	2	0.49
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE1	2	0.49
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE2	2	0.49
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE3	2	0.49
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE1	2	0.49
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE2	2	0.49
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE3	2	0.49
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	12	0.49
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	3	0.49
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	3	0.49
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	3	0.49
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	3	0.49
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	3	0.49
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	3	0.49
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	3	0.49
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	3	0.49
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	3	0.49
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	19	0.49
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	16	0.49
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	19	0.49
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	19	0.49
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	19	0.49
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	3	0.48
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	15	0.48
(1,1559)	1:90:D:GLU:H	1:94:D:MET:H	12	0.48
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	8	0.48
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	8	0.48
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	8	0.48
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	13	0.48
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	13	0.48
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	13	0.48
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	14	0.48
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	14	0.48
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	11	0.48
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	11	0.48
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	11	0.48
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	10	0.48
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	5	0.48
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	13	0.48
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	3	0.48
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	4	0.48
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	19	0.48
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	2	0.48
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	2	0.48
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	2	0.48
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	2	0.48
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	2	0.48
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	2	0.48
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	2	0.48
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	2	0.48
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	2	0.48
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	18	0.48
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	18	0.48
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	18	0.48
(1,518)	1:32:B:PHE:HD1	1:33:B:GLN:H	20	0.48
(1,518)	1:32:B:PHE:HD2	1:33:B:GLN:H	20	0.48
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	6	0.48
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	19	0.48
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	3	0.48
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	3	0.48
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	3	0.48
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	3	0.48
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	3	0.48
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	3	0.48
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	14	0.48
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	1	0.48
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	12	0.48
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	13	0.48
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	20	0.48
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	20	0.48
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	5	0.48
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	14	0.48
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	7	0.48
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	7	0.48
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	8	0.48
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE1	12	0.48
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE2	12	0.48
(1,8)	1:11:A:PHE:HD1	1:138:C:MET:HE3	12	0.48
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE1	12	0.48
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE2	12	0.48
(1,8)	1:11:A:PHE:HD2	1:138:C:MET:HE3	12	0.48
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	13	0.47
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	13	0.47
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	13	0.47
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	13	0.47
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	13	0.47
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	13	0.47
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	13	0.47
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	13	0.47
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	13	0.47
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD21	7	0.47
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD22	7	0.47
(1,1666)	1:137:D:PHE:HE1	1:141:D:LEU:HD23	7	0.47
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD21	7	0.47
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD22	7	0.47
(1,1666)	1:137:D:PHE:HE2	1:141:D:LEU:HD23	7	0.47
(1,1586)	1:98:D:LEU:HD21	1:99:D:GLY:H	19	0.47
(1,1586)	1:98:D:LEU:HD22	1:99:D:GLY:H	19	0.47
(1,1586)	1:98:D:LEU:HD23	1:99:D:GLY:H	19	0.47
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	12	0.47
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	12	0.47
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	12	0.47
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	12	0.47
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	12	0.47
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	12	0.47
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	12	0.47
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	12	0.47
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	12	0.47
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	9	0.47
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	17	0.47
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	13	0.47
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	5	0.47
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	5	0.47
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	5	0.47
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	5	0.47
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	5	0.47
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	5	0.47
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	5	0.47
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	5	0.47
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	9	0.47
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	6	0.47
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	6	0.47
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	6	0.47
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	6	0.47
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	6	0.47
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	6	0.47
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	6	0.47
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	6	0.47
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	6	0.47
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	8	0.47
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	1	0.47
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	1	0.47
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	2	0.47
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	3	0.47
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	11	0.47
(1,1169)	1:89:C:ILE:HD11	1:94:C:MET:H	16	0.47
(1,1169)	1:89:C:ILE:HD12	1:94:C:MET:H	16	0.47
(1,1169)	1:89:C:ILE:HD13	1:94:C:MET:H	16	0.47
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	6	0.47
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD11	10	0.47
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD12	10	0.47
(1,1046)	1:56:C:TYR:HE1	1:86:C:ILE:HD13	10	0.47
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD11	10	0.47
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD12	10	0.47
(1,1046)	1:56:C:TYR:HE2	1:86:C:ILE:HD13	10	0.47
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	5	0.47
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	5	0.47
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	5	0.47
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	2	0.47
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	8	0.47
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	14	0.47
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	14	0.47
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	17	0.47
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	4	0.47
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	7	0.47
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	9	0.47
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	12	0.47
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	12	0.47
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	12	0.47
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	12	0.47
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	12	0.47
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	12	0.47
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	12	0.47
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	12	0.47
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	5	0.47
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	5	0.47
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	5	0.47
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	5	0.47
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	5	0.47
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	5	0.47
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	5	0.47
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	5	0.47
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	5	0.47
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	3	0.47
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	17	0.47
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	17	0.47
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	17	0.47
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	17	0.47
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	17	0.47
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	17	0.47
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	17	0.47
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	17	0.47
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	17	0.47
(1,549)	1:42:B:LEU:HD11	1:128:B:LEU:H	4	0.47
(1,549)	1:42:B:LEU:HD12	1:128:B:LEU:H	4	0.47
(1,549)	1:42:B:LEU:HD13	1:128:B:LEU:H	4	0.47
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	12	0.47
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	12	0.47
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	1	0.47
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	2	0.47
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	11	0.47
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	14	0.47
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	4	0.47
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	4	0.47
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	15	0.47
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	18	0.47
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	14	0.47
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD11	16	0.47
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD12	16	0.47
(1,123)	1:40:A:VAL:HG11	1:42:A:LEU:HD13	16	0.47
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD11	16	0.47
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD12	16	0.47
(1,123)	1:40:A:VAL:HG12	1:42:A:LEU:HD13	16	0.47
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD11	16	0.47
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD12	16	0.47
(1,123)	1:40:A:VAL:HG13	1:42:A:LEU:HD13	16	0.47
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	18	0.47
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	7	0.46
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	15	0.46
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	15	0.46
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	15	0.46
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	6	0.46
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	13	0.46
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	8	0.46
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	17	0.46
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	2	0.46
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	19	0.46
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	1	0.46
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	1	0.46
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	1	0.46
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	9	0.46
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	18	0.46
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	20	0.46
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	20	0.46
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	20	0.46
(1,852)	1:135:B:ALA:HB1	1:13:D:ILE:H	1	0.46
(1,852)	1:135:B:ALA:HB2	1:13:D:ILE:H	1	0.46
(1,852)	1:135:B:ALA:HB3	1:13:D:ILE:H	1	0.46
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	6	0.46
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	6	0.46
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	2	0.46
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	2	0.46
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	2	0.46
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	2	0.46
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	2	0.46
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	2	0.46
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	2	0.46
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	2	0.46
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	18	0.46
(1,454)	1:13:B:ILE:HD11	1:14:B:GLN:H	14	0.46
(1,454)	1:13:B:ILE:HD12	1:14:B:GLN:H	14	0.46
(1,454)	1:13:B:ILE:HD13	1:14:B:GLN:H	14	0.46
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	10	0.46
(1,403)	1:129:A:ALA:HB1	1:13:C:ILE:H	3	0.46
(1,403)	1:129:A:ALA:HB2	1:13:C:ILE:H	3	0.46
(1,403)	1:129:A:ALA:HB3	1:13:C:ILE:H	3	0.46
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	14	0.46
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	1	0.46
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	10	0.46
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	10	0.46
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	10	0.46
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	10	0.46
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	10	0.46
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	10	0.46
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	15	0.46
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	5	0.46
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	5	0.46
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	5	0.46
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	5	0.46
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	5	0.46
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	5	0.46
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	5	0.46
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	5	0.46
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	5	0.46
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	8	0.46
(1,96)	1:31:A:VAL:HG21	1:68:A:LEU:HD21	11	0.46
(1,96)	1:31:A:VAL:HG21	1:68:A:LEU:HD22	11	0.46
(1,96)	1:31:A:VAL:HG21	1:68:A:LEU:HD23	11	0.46
(1,96)	1:31:A:VAL:HG22	1:68:A:LEU:HD21	11	0.46
(1,96)	1:31:A:VAL:HG22	1:68:A:LEU:HD22	11	0.46
(1,96)	1:31:A:VAL:HG22	1:68:A:LEU:HD23	11	0.46
(1,96)	1:31:A:VAL:HG23	1:68:A:LEU:HD21	11	0.46
(1,96)	1:31:A:VAL:HG23	1:68:A:LEU:HD22	11	0.46
(1,96)	1:31:A:VAL:HG23	1:68:A:LEU:HD23	11	0.46
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	20	0.46
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	20	0.46
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	20	0.46
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	7	0.46
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	10	0.46
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD11	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD12	20	0.45
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD13	20	0.45
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD11	20	0.45
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD12	20	0.45
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD13	20	0.45
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD11	20	0.45
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD12	20	0.45
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD13	20	0.45
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	19	0.45
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	3	0.45
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	3	0.45
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	3	0.45
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE1	19	0.45
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE2	19	0.45
(1,1554)	1:89:D:ILE:H	1:94:D:MET:HE3	19	0.45
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	5	0.45
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	7	0.45
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	7	0.45
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	7	0.45
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	7	0.45
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	7	0.45
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	7	0.45
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	3	0.45
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	11	0.45
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	11	0.45
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	13	0.45
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	13	0.45
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	14	0.45
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	14	0.45
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	20	0.45
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	20	0.45
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	13	0.45
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	14	0.45
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD21	16	0.45
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD22	16	0.45
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD23	16	0.45
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD21	16	0.45
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD22	16	0.45
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD23	16	0.45
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	1	0.45
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	16	0.45
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	16	0.45
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	16	0.45
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	16	0.45
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	16	0.45
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	16	0.45
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	16	0.45
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	16	0.45
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	7	0.45
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	7	0.45
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	7	0.45
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	3	0.45
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	3	0.45
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	3	0.45
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	3	0.45
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	3	0.45
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	3	0.45
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	3	0.45
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	3	0.45
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	3	0.45
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	17	0.45
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	19	0.45
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	3	0.45
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	11	0.45
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	11	0.45
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	11	0.45
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	18	0.45
(1,695)	1:67:B:SER:H	1:74:B:PHE:H	18	0.45
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	11	0.45
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	8	0.45
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	12	0.45
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	12	0.45
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	12	0.45
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	12	0.45
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	12	0.45
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	12	0.45
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	6	0.45
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	7	0.45
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	20	0.45
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	13	0.45
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	2	0.45
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	13	0.45
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	13	0.45
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	13	0.45
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	13	0.45
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	13	0.45
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	13	0.45
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	13	0.45
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	13	0.45
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	13	0.45
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	16	0.45
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	16	0.45
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	16	0.45
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	16	0.45
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	16	0.45
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	16	0.45
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	16	0.44
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	16	0.44
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	16	0.44
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	16	0.44
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	16	0.44
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	16	0.44
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	16	0.44
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	16	0.44
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	16	0.44
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	19	0.44
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	5	0.44
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	5	0.44
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	5	0.44
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	2	0.44
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	2	0.44
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	2	0.44
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE1	16	0.44
(1,1390)	1:44:D:LEU:HD21	1:133:D:PHE:HE2	16	0.44
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE1	16	0.44
(1,1390)	1:44:D:LEU:HD22	1:133:D:PHE:HE2	16	0.44
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE1	16	0.44
(1,1390)	1:44:D:LEU:HD23	1:133:D:PHE:HE2	16	0.44
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	8	0.44
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	8	0.44
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	8	0.44
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	8	0.44
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	8	0.44
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	8	0.44
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	8	0.44
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	8	0.44
(1,1355)	1:32:D:PHE:HD1	1:33:D:GLN:H	2	0.44
(1,1355)	1:32:D:PHE:HD2	1:33:D:GLN:H	2	0.44
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	20	0.44
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	12	0.44
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	14	0.44
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	9	0.44
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	9	0.44
(1,1265)	1:136:C:LEU:HD21	1:137:C:PHE:H	16	0.44
(1,1265)	1:136:C:LEU:HD22	1:137:C:PHE:H	16	0.44
(1,1265)	1:136:C:LEU:HD23	1:137:C:PHE:H	16	0.44
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	13	0.44
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	16	0.44
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	9	0.44
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	9	0.44
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	9	0.44
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	4	0.44
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	4	0.44
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	4	0.44
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	18	0.44
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	18	0.44
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	18	0.44
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	18	0.44
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	18	0.44
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	18	0.44
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	18	0.44
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	18	0.44
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	18	0.44
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	18	0.44
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	14	0.44
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	8	0.44
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	8	0.44
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	8	0.44
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD11	12	0.44
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD12	12	0.44
(1,540)	1:41:B:LYS:H	1:126:B:LEU:HD13	12	0.44
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	2	0.44
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	17	0.44
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	16	0.44
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	6	0.44
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	20	0.44
(1,324)	1:94:A:MET:H	1:97:A:CYS:H	17	0.44
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	8	0.44
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	6	0.44
(1,143)	1:44:A:LEU:HD11	1:45:A:ASP:H	4	0.44
(1,143)	1:44:A:LEU:HD12	1:45:A:ASP:H	4	0.44
(1,143)	1:44:A:LEU:HD13	1:45:A:ASP:H	4	0.44
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE1	6	0.44
(1,23)	1:13:A:ILE:HD11	1:84:A:PHE:HE2	6	0.44
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE1	6	0.44
(1,23)	1:13:A:ILE:HD12	1:84:A:PHE:HE2	6	0.44
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE1	6	0.44
(1,23)	1:13:A:ILE:HD13	1:84:A:PHE:HE2	6	0.44
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	15	0.43
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	8	0.43
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	8	0.43
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	8	0.43
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	1	0.43
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	1	0.43
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	1	0.43
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	6	0.43
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	14	0.43
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	14	0.43
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	3	0.43
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	16	0.43
(1,1237)	1:118:C:VAL:HG21	1:126:C:LEU:H	10	0.43
(1,1237)	1:118:C:VAL:HG22	1:126:C:LEU:H	10	0.43
(1,1237)	1:118:C:VAL:HG23	1:126:C:LEU:H	10	0.43
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	3	0.43
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	8	0.43
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	15	0.43
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	8	0.43
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	8	0.43
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	20	0.43
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	20	0.43
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	20	0.43
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	19	0.43
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	19	0.43
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	19	0.43
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	19	0.43
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	19	0.43
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	19	0.43
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	19	0.43
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	19	0.43
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	15	0.43
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	15	0.43
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	7	0.43
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	10	0.43
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	17	0.43
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	16	0.43
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	16	0.43
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	16	0.43
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	10	0.43
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	4	0.43
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	1	0.43
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	1	0.43
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	1	0.43
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	13	0.43
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	10	0.43
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	18	0.43
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	10	0.43
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	2	0.43
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	11	0.43
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	14	0.43
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	3	0.43
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	13	0.43
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	17	0.43
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	9	0.43
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	9	0.43
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	9	0.43
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	10	0.43
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	17	0.43
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	19	0.43
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	20	0.43
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	20	0.43
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	20	0.43
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	20	0.43
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	20	0.43
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	20	0.43
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	20	0.43
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	20	0.43
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD11	13	0.43
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD12	13	0.43
(1,125)	1:40:A:VAL:HG11	1:126:A:LEU:HD13	13	0.43
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD11	13	0.43
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD12	13	0.43
(1,125)	1:40:A:VAL:HG12	1:126:A:LEU:HD13	13	0.43
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD11	13	0.43
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD12	13	0.43
(1,125)	1:40:A:VAL:HG13	1:126:A:LEU:HD13	13	0.43
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	6	0.43
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD11	13	0.43
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD12	13	0.43
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD13	13	0.43
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	3	0.43
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	6	0.42
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	6	0.42
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	6	0.42
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	6	0.42
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	6	0.42
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	6	0.42
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	6	0.42
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	6	0.42
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	6	0.42
(1,1651)	1:134:D:ASP:H	1:136:D:LEU:H	5	0.42
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	17	0.42
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	17	0.42
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	17	0.42
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	12	0.42
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	20	0.42
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	19	0.42
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	19	0.42
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	19	0.42
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	19	0.42
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	19	0.42
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	19	0.42
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	19	0.42
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	19	0.42
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	19	0.42
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	15	0.42
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	9	0.42
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	9	0.42
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	9	0.42
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	9	0.42
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	9	0.42
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	9	0.42
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	9	0.42
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	12	0.42
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	12	0.42
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	5	0.42
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	8	0.42
(1,1179)	1:93:C:GLN:H	1:96:C:HIS:H	10	0.42
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	15	0.42
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	20	0.42
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	11	0.42
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	2	0.42
(1,680)	1:65:B:THR:H	1:76:B:CYS:H	17	0.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD21	18	0.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD22	18	0.42
(1,678)	1:64:B:VAL:HG21	1:126:B:LEU:HD23	18	0.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD21	18	0.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD22	18	0.42
(1,678)	1:64:B:VAL:HG22	1:126:B:LEU:HD23	18	0.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD21	18	0.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD22	18	0.42
(1,678)	1:64:B:VAL:HG23	1:126:B:LEU:HD23	18	0.42
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	5	0.42
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	5	0.42
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	5	0.42
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	5	0.42
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	5	0.42
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	5	0.42
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	5	0.42
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	5	0.42
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	5	0.42
(1,454)	1:13:B:ILE:HD11	1:14:B:GLN:H	16	0.42
(1,454)	1:13:B:ILE:HD12	1:14:B:GLN:H	16	0.42
(1,454)	1:13:B:ILE:HD13	1:14:B:GLN:H	16	0.42
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	12	0.42
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	2	0.42
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	10	0.42
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	9	0.42
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	1	0.42
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:136:D:LEU:HD11	1:140:D:TYR:H	3	0.41
(1,1660)	1:136:D:LEU:HD12	1:140:D:TYR:H	3	0.41
(1,1660)	1:136:D:LEU:HD13	1:140:D:TYR:H	3	0.41
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	11	0.41
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	11	0.41
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	11	0.41
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	18	0.41
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	8	0.41
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	6	0.41
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	13	0.41
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	13	0.41
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	13	0.41
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	13	0.41
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	3	0.41
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	3	0.41
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	18	0.41
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	18	0.41
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	13	0.41
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	15	0.41
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	19	0.41
(1,1108)	1:68:C:LEU:H	1:70:C:GLU:H	6	0.41
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	1	0.41
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	15	0.41
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	7	0.41
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	18	0.41
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	6	0.41
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	12	0.41
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	5	0.41
(1,772)	1:96:B:HIS:H	1:98:B:LEU:H	1	0.41
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	20	0.41
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	5	0.41
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	5	0.41
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	5	0.41
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD11	6	0.41
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD12	6	0.41
(1,663)	1:62:B:VAL:HG21	1:128:B:LEU:HD13	6	0.41
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD11	6	0.41
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD12	6	0.41
(1,663)	1:62:B:VAL:HG22	1:128:B:LEU:HD13	6	0.41
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD11	6	0.41
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD12	6	0.41
(1,663)	1:62:B:VAL:HG23	1:128:B:LEU:HD13	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	17	0.41
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	11	0.41
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	5	0.41
(1,403)	1:129:A:ALA:HB1	1:13:C:ILE:H	11	0.41
(1,403)	1:129:A:ALA:HB2	1:13:C:ILE:H	11	0.41
(1,403)	1:129:A:ALA:HB3	1:13:C:ILE:H	11	0.41
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	18	0.41
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	18	0.41
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	7	0.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	6	0.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	6	0.41
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	6	0.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	6	0.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	6	0.41
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	6	0.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	6	0.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	6	0.41
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	6	0.41
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	13	0.41
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	13	0.41
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	13	0.41
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	2	0.41
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	16	0.41
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	12	0.41
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	12	0.41
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	12	0.41
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	1	0.4
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	1	0.4
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	1	0.4
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	1	0.4
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	1	0.4
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	1	0.4
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	1	0.4
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	1	0.4
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	1	0.4
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	9	0.4
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	9	0.4
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	9	0.4
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	9	0.4
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	9	0.4
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	9	0.4
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	9	0.4
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	9	0.4
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	7	0.4
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	7	0.4
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	7	0.4
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	7	0.4
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	7	0.4
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	7	0.4
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	7	0.4
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	7	0.4
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	7	0.4
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	3	0.4
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	3	0.4
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	3	0.4
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	18	0.4
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	3	0.4
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	5	0.4
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	5	0.4
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	5	0.4
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	12	0.4
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	12	0.4
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	12	0.4
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	20	0.4
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	2	0.4
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	20	0.4
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	13	0.4
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	18	0.4
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	6	0.4
(1,1188)	1:96:C:HIS:H	1:98:C:LEU:H	10	0.4
(1,1175)	1:91:C:GLY:H	1:94:C:MET:H	13	0.4
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	1	0.4
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	11	0.4
(1,1159)	1:86:C:ILE:HD11	1:87:C:ALA:H	13	0.4
(1,1159)	1:86:C:ILE:HD12	1:87:C:ALA:H	13	0.4
(1,1159)	1:86:C:ILE:HD13	1:87:C:ALA:H	13	0.4
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	7	0.4
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	19	0.4
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	19	0.4
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	3	0.4
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	14	0.4
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	14	0.4
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:94:B:MET:H	1:97:B:CYS:H	10	0.4
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	9	0.4
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	9	0.4
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	9	0.4
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	9	0.4
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	9	0.4
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	9	0.4
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	9	0.4
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	9	0.4
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	9	0.4
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	2	0.4
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	4	0.4
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	2	0.4
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	2	0.4
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG11	7	0.4
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG12	7	0.4
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG13	7	0.4
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	4	0.4
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	4	0.4
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	11	0.4
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	9	0.4
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	2	0.4
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	19	0.4
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	20	0.4
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	6	0.4
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	6	0.4
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	6	0.4
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	6	0.4
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	6	0.4
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	6	0.4
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	6	0.4
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	6	0.4
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	6	0.4
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	12	0.4
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	7	0.4
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	15	0.4
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	15	0.4
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	15	0.4
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD11	2	0.4
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD12	2	0.4
(1,90)	1:31:A:VAL:H	1:68:A:LEU:HD13	2	0.4
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	12	0.39
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	12	0.39
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	12	0.39
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	12	0.39
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	12	0.39
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	12	0.39
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	12	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD11	10	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD12	10	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD13	10	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD21	10	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD22	10	0.39
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD23	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD11	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD12	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD13	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD21	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD22	10	0.39
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD23	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD11	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD12	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD13	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD21	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD22	10	0.39
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD23	10	0.39
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE1	13	0.39
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE2	13	0.39
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE3	13	0.39
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE1	13	0.39
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE2	13	0.39
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE3	13	0.39
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE1	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE2	13	0.39
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE3	13	0.39
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	12	0.39
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	12	0.39
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	12	0.39
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	12	0.39
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	12	0.39
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	12	0.39
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	12	0.39
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	12	0.39
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	12	0.39
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	18	0.39
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	20	0.39
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	1	0.39
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	17	0.39
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	2	0.39
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	6	0.39
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	4	0.39
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	11	0.39
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	19	0.39
(1,1247)	1:126:C:LEU:H	1:127:C:ASN:H	7	0.39
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	3	0.39
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	7	0.39
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	7	0.39
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	17	0.39
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	14	0.39
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	20	0.39
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD1	6	0.39
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD2	6	0.39
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	8	0.39
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	8	0.39
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	8	0.39
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	8	0.39
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	10	0.39
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	1	0.39
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	1	0.39
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	20	0.39
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	20	0.39
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	14	0.39
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	14	0.39
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	10	0.39
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD11	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD12	2	0.39
(1,765)	1:94:B:MET:HE1	1:98:B:LEU:HD13	2	0.39
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD11	2	0.39
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD12	2	0.39
(1,765)	1:94:B:MET:HE2	1:98:B:LEU:HD13	2	0.39
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD11	2	0.39
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD12	2	0.39
(1,765)	1:94:B:MET:HE3	1:98:B:LEU:HD13	2	0.39
(1,675)	1:64:B:VAL:HG21	1:76:B:CYS:H	18	0.39
(1,675)	1:64:B:VAL:HG22	1:76:B:CYS:H	18	0.39
(1,675)	1:64:B:VAL:HG23	1:76:B:CYS:H	18	0.39
(1,556)	1:42:B:LEU:HD21	1:129:B:ALA:H	19	0.39
(1,556)	1:42:B:LEU:HD22	1:129:B:ALA:H	19	0.39
(1,556)	1:42:B:LEU:HD23	1:129:B:ALA:H	19	0.39
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	7	0.39
(1,455)	1:13:B:ILE:HD11	1:15:B:ARG:H	16	0.39
(1,455)	1:13:B:ILE:HD12	1:15:B:ARG:H	16	0.39
(1,455)	1:13:B:ILE:HD13	1:15:B:ARG:H	16	0.39
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	11	0.39
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	17	0.39
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	1	0.39
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	17	0.39
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	17	0.39
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	4	0.39
(1,1673)	1:140:D:TYR:HD1	1:141:D:LEU:H	17	0.38
(1,1673)	1:140:D:TYR:HD2	1:141:D:LEU:H	17	0.38
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	6	0.38
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	14	0.38
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	7	0.38
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD1	3	0.38
(1,1595)	1:100:D:ALA:HB1	1:133:D:PHE:HD2	3	0.38
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD1	3	0.38
(1,1595)	1:100:D:ALA:HB2	1:133:D:PHE:HD2	3	0.38
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD1	3	0.38
(1,1595)	1:100:D:ALA:HB3	1:133:D:PHE:HD2	3	0.38
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	9	0.38
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	6	0.38
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	3	0.38
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	2	0.38
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	18	0.38
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	8	0.38
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	18	0.38
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	1	0.38
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	12	0.38
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	12	0.38
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	12	0.38
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	12	0.38
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	12	0.38
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	12	0.38
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	11	0.38
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	11	0.38
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	14	0.38
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	19	0.38
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	19	0.38
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	7	0.38
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	4	0.38
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	17	0.38
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	17	0.38
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	17	0.38
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD21	20	0.38
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD22	20	0.38
(1,999)	1:44:C:LEU:HD11	1:60:C:LEU:HD23	20	0.38
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD21	20	0.38
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD22	20	0.38
(1,999)	1:44:C:LEU:HD12	1:60:C:LEU:HD23	20	0.38
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD21	20	0.38
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD22	20	0.38
(1,999)	1:44:C:LEU:HD13	1:60:C:LEU:HD23	20	0.38
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	1	0.38
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	1	0.38
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	1	0.38
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	19	0.38
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	3	0.38
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	5	0.38
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	4	0.38
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	6	0.38
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	10	0.38
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	10	0.38
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	10	0.38
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	10	0.38
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	10	0.38
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	10	0.38
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	10	0.38
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	10	0.38
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	1	0.38
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	6	0.38
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD11	12	0.38
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD12	12	0.38
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD13	12	0.38
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD11	12	0.38
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD12	12	0.38
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD13	12	0.38
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD11	12	0.38
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD12	12	0.38
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD13	12	0.38
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	16	0.38
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	3	0.38
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	19	0.38
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	2	0.38
(1,410)	1:133:A:PHE:H	1:136:A:LEU:H	14	0.38
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	16	0.38
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	6	0.38
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	9	0.38
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	14	0.38
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	17	0.38
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	3	0.38
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	12	0.38
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	8	0.38
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	15	0.38
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	1	0.38
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	5	0.38
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	14	0.38
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	18	0.38
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	18	0.38
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	7	0.38
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	7	0.38
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	7	0.38
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	8	0.37
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	8	0.37
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	8	0.37
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	8	0.37
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	8	0.37
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	8	0.37
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	8	0.37
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	8	0.37
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	10	0.37
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	10	0.37
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	10	0.37
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	10	0.37
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	10	0.37
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	10	0.37
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	10	0.37
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	10	0.37
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	10	0.37
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	12	0.37
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	13	0.37
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	13	0.37
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	13	0.37
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	3	0.37
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	3	0.37
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	3	0.37
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	3	0.37
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	3	0.37
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	3	0.37
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	20	0.37
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	11	0.37
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	11	0.37
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	11	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	11	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	11	0.37
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	11	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	11	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	11	0.37
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	11	0.37
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	8	0.37
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	18	0.37
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	20	0.37
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	13	0.37
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	11	0.37
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	11	0.37
(1,847)	1:134:B:ASP:H	1:137:B:PHE:H	13	0.37
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	3	0.37
(1,773)	1:96:B:HIS:H	1:99:B:GLY:H	19	0.37
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	3	0.37
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:60:B:LEU:H	1:80:B:GLN:H	12	0.37
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	19	0.37
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	19	0.37
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	19	0.37
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	19	0.37
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	19	0.37
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	19	0.37
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	19	0.37
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	19	0.37
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	19	0.37
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	18	0.37
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	10	0.37
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	10	0.37
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	19	0.37
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	4	0.37
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	20	0.37
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	20	0.37
(1,436)	1:9:B:MET:HE1	1:10:B:THR:H	20	0.37
(1,436)	1:9:B:MET:HE2	1:10:B:THR:H	20	0.37
(1,436)	1:9:B:MET:HE3	1:10:B:THR:H	20	0.37
(1,431)	1:139:A:ASN:H	1:141:A:LEU:H	4	0.37
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	4	0.37
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	3	0.37
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD21	8	0.37
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD22	8	0.37
(1,276)	1:74:A:PHE:HE1	1:126:A:LEU:HD23	8	0.37
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD21	8	0.37
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD22	8	0.37
(1,276)	1:74:A:PHE:HE2	1:126:A:LEU:HD23	8	0.37
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	17	0.37
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	19	0.37
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	16	0.37
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	13	0.37
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	13	0.36
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	13	0.36
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	13	0.36
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	13	0.36
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	13	0.36
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	13	0.36
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	13	0.36
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	13	0.36
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	19	0.36
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	19	0.36
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	19	0.36
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	19	0.36
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	19	0.36
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	19	0.36
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	19	0.36
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	19	0.36
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	19	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD11	11	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD12	11	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD13	11	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD21	11	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD22	11	0.36
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD23	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD11	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD12	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD13	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD21	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD22	11	0.36
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD23	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD11	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD12	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD13	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD21	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD22	11	0.36
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD23	11	0.36
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	19	0.36
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	3	0.36
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	18	0.36
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	18	0.36
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	2	0.36
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	6	0.36
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	6	0.36
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	6	0.36
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	15	0.36
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	15	0.36
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	15	0.36
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	15	0.36
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	15	0.36
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	15	0.36
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	15	0.36
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	15	0.36
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	3	0.36
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD1	4	0.36
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD2	4	0.36
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	3	0.36
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	20	0.36
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	2	0.36
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	4	0.36
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	4	0.36
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	4	0.36
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	4	0.36
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	4	0.36
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	4	0.36
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	20	0.36
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	20	0.36
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	5	0.36
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	8	0.36
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	14	0.36
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	1	0.36
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	20	0.36
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	11	0.36
(1,1066)	1:60:C:LEU:H	1:80:C:GLN:H	13	0.36
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	1	0.36
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	8	0.36
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	19	0.36
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	17	0.36
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	19	0.36
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	4	0.36
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	8	0.36
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	9	0.36
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	7	0.36
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	15	0.36
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	8	0.36
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD21	16	0.36
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD22	16	0.36
(1,399)	1:126:A:LEU:HD11	1:128:A:LEU:HD23	16	0.36
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD21	16	0.36
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD22	16	0.36
(1,399)	1:126:A:LEU:HD12	1:128:A:LEU:HD23	16	0.36
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD21	16	0.36
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD22	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:126:A:LEU:HD13	1:128:A:LEU:HD23	16	0.36
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	15	0.36
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	17	0.36
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	15	0.36
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	5	0.36
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	5	0.36
(1,99)	1:32:A:PHE:H	1:34:A:LYS:H	6	0.36
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	5	0.36
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	5	0.36
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	5	0.36
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	12	0.36
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	12	0.36
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB1	8	0.36
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB2	8	0.36
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB3	8	0.36
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB1	8	0.36
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB2	8	0.36
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB3	8	0.36
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	3	0.36
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	9	0.35
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	5	0.35
(1,1594)	1:100:D:ALA:HB1	1:133:D:PHE:H	11	0.35
(1,1594)	1:100:D:ALA:HB2	1:133:D:PHE:H	11	0.35
(1,1594)	1:100:D:ALA:HB3	1:133:D:PHE:H	11	0.35
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	1	0.35
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	3	0.35
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	20	0.35
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	17	0.35
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	9	0.35
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	15	0.35
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	16	0.35
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	1	0.35
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	5	0.35
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	15	0.35
(1,1194)	1:99:C:GLY:H	1:101:C:TYR:H	9	0.35
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	17	0.35
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	18	0.35
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	5	0.35
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	5	0.35
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	5	0.35
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	5	0.35
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	5	0.35
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	5	0.35
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	5	0.35
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	5	0.35
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	14	0.35
(1,1159)	1:86:C:ILE:HD11	1:87:C:ALA:H	12	0.35
(1,1159)	1:86:C:ILE:HD12	1:87:C:ALA:H	12	0.35
(1,1159)	1:86:C:ILE:HD13	1:87:C:ALA:H	12	0.35
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	19	0.35
(1,1111)	1:68:C:LEU:H	1:73:C:ALA:H	17	0.35
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	10	0.35
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	10	0.35
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	10	0.35
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	6	0.35
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	6	0.35
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	12	0.35
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	12	0.35
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	4	0.35
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	4	0.35
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	4	0.35
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	2	0.35
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	12	0.35
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	13	0.35
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	1	0.35
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	17	0.35
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	14	0.35
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	17	0.35
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	17	0.35
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	17	0.35
(1,518)	1:32:B:PHE:HD1	1:33:B:GLN:H	8	0.35
(1,518)	1:32:B:PHE:HD2	1:33:B:GLN:H	8	0.35
(1,518)	1:32:B:PHE:HD1	1:33:B:GLN:H	11	0.35
(1,518)	1:32:B:PHE:HD2	1:33:B:GLN:H	11	0.35
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	7	0.35
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	4	0.35
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	14	0.35
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	12	0.35
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	14	0.35
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	14	0.35
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	14	0.35
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	17	0.35
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	11	0.35
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	11	0.35
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	16	0.35
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	16	0.35
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	16	0.35
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	18	0.35
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	8	0.35
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	13	0.35
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	18	0.35
(1,194)	1:58:A:VAL:H	1:82:A:GLY:H	7	0.35
(1,194)	1:58:A:VAL:H	1:82:A:GLY:H	11	0.35
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	13	0.35
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	14	0.35
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	5	0.35
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	19	0.35
(1,162)	1:49:A:SER:H	1:59:A:VAL:H	10	0.35
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	14	0.35
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD11	19	0.35
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD12	19	0.35
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD13	19	0.35
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD11	19	0.35
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD12	19	0.35
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD13	19	0.35
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD11	19	0.35
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD12	19	0.35
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD13	19	0.35
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	20	0.35
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	20	0.35
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	20	0.35
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	14	0.35
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	10	0.35
(1,9)	1:11:A:PHE:HE1	1:12:A:GLN:H	11	0.35
(1,9)	1:11:A:PHE:HE2	1:12:A:GLN:H	11	0.35
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	6	0.34
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	6	0.34
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	6	0.34
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	6	0.34
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	6	0.34
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	6	0.34
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	6	0.34
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	6	0.34
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	18	0.34
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	18	0.34
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	9	0.34
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	18	0.34
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	18	0.34
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	18	0.34
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	16	0.34
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	7	0.34
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	9	0.34
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	11	0.34
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	9	0.34
(1,1290)	1:11:D:PHE:HE1	1:102:D:CYS:H	17	0.34
(1,1290)	1:11:D:PHE:HE2	1:102:D:CYS:H	17	0.34
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	16	0.34
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	16	0.34
(1,1280)	1:10:D:THR:H	1:87:D:ALA:H	15	0.34
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	20	0.34
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	19	0.34
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	9	0.34
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	12	0.34
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	10	0.34
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	17	0.34
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	3	0.34
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	10	0.34
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	17	0.34
(1,914)	1:19:C:LYS:H	1:81:C:GLY:H	16	0.34
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	2	0.34
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	17	0.34
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	17	0.34
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	17	0.34
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	17	0.34
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	17	0.34
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	17	0.34
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	18	0.34
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	12	0.34
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	8	0.34
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	14	0.34
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	14	0.34
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	14	0.34
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	14	0.34
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	14	0.34
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	14	0.34
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	14	0.34
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	14	0.34
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	14	0.34
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	14	0.34
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	14	0.34
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	4	0.34
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	4	0.34
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	4	0.34
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	4	0.34
(1,703)	1:70:B:GLU:H	1:71:B:GLU:H	14	0.34
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	8	0.34
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	13	0.34
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	13	0.34
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	13	0.34
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	6	0.34
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	4	0.34
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	4	0.34
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	17	0.34
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	3	0.34
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	10	0.34
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	10	0.34
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	10	0.34
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	10	0.34
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	13	0.34
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	13	0.34
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	13	0.34
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	12	0.34
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD11	14	0.34
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD12	14	0.34
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD13	14	0.34
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	9	0.34
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	9	0.34
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	4	0.34
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	5	0.34
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	16	0.34
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	18	0.34
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	7	0.34
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	7	0.34
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	7	0.34
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	2	0.34
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	17	0.34
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	20	0.34
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	17	0.34
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	18	0.33
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	18	0.33
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	18	0.33
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	18	0.33
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	18	0.33
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	18	0.33
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	18	0.33
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	18	0.33
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	18	0.33
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	19	0.33
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	20	0.33
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	8	0.33
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	19	0.33
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	1	0.33
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	11	0.33
(1,1646)	1:133:D:PHE:H	1:134:D:ASP:H	20	0.33
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	11	0.33
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	9	0.33
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD1	6	0.33
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD2	6	0.33
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	4	0.33
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	12	0.33
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	14	0.33
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	13	0.33
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	14	0.33
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	11	0.33
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	11	0.33
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	3	0.33
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	3	0.33
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	14	0.33
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	14	0.33
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	18	0.33
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	18	0.33
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	2	0.33
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	2	0.33
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	4	0.33
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	4	0.33
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	11	0.33
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	15	0.33
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	15	0.33
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	1	0.33
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	19	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD21	3	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD22	3	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD23	3	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD21	3	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD22	3	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD23	3	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD21	3	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD22	3	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD23	3	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD21	5	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD22	5	0.33
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD23	5	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD21	5	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD22	5	0.33
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD23	5	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD21	5	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD22	5	0.33
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD23	5	0.33
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	10	0.33
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	10	0.33
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	10	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	10	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	10	0.33
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	10	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	10	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	10	0.33
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	10	0.33
(1,581)	1:47:B:ALA:H	1:61:B:ARG:H	14	0.33
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	1	0.33
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	1	0.33
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	1	0.33
(1,463)	1:14:B:GLN:H	1:85:B:SER:H	18	0.33
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	1	0.33
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	19	0.33
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	2	0.33
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	19	0.33
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	17	0.33
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	11	0.33
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	11	0.33
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	11	0.33
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	11	0.33
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	11	0.33
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	11	0.33
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	11	0.33
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	11	0.33
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	11	0.33
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	8	0.33
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	10	0.33
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	15	0.33
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	10	0.33
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	3	0.33
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	3	0.33
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	20	0.33
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	5	0.33
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	14	0.32
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	14	0.32
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	14	0.32
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	14	0.32
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	14	0.32
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	14	0.32
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	14	0.32
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	14	0.32
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	14	0.32
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	19	0.32
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	19	0.32
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	19	0.32
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	19	0.32
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	19	0.32
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	19	0.32
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	19	0.32
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	19	0.32
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	19	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE1	3	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE2	3	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE3	3	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE1	3	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE2	3	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE3	3	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE1	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE2	3	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE3	3	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE1	10	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE2	10	0.32
(1,1679)	1:94:C:MET:HE1	2:174:E:MET:HE3	10	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE1	10	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE2	10	0.32
(1,1679)	1:94:C:MET:HE2	2:174:E:MET:HE3	10	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE1	10	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE2	10	0.32
(1,1679)	1:94:C:MET:HE3	2:174:E:MET:HE3	10	0.32
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	17	0.32
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	6	0.32
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	20	0.32
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD21	12	0.32
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD22	12	0.32
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD23	12	0.32
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD21	12	0.32
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD22	12	0.32
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD23	12	0.32
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD21	12	0.32
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD22	12	0.32
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD23	12	0.32
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	5	0.32
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	13	0.32
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	13	0.32
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD1	8	0.32
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD2	8	0.32
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	10	0.32
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	15	0.32
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	16	0.32
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	12	0.32
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	12	0.32
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	10	0.32
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	10	0.32
(1,1175)	1:91:C:GLY:H	1:94:C:MET:H	18	0.32
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	2	0.32
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	2	0.32
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	2	0.32
(1,1163)	1:87:C:ALA:H	1:88:C:GLY:H	18	0.32
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	5	0.32
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	12	0.32
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	5	0.32
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	7	0.32
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	7	0.32
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	7	0.32
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	7	0.32
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	7	0.32
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	7	0.32
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	14	0.32
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	14	0.32
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	14	0.32
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	17	0.32
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	17	0.32
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	17	0.32
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	19	0.32
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	9	0.32
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	7	0.32
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	10	0.32
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	10	0.32
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	10	0.32
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	10	0.32
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	10	0.32
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	10	0.32
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	10	0.32
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	10	0.32
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	10	0.32
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	12	0.32
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	8	0.32
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	20	0.32
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	2	0.32
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	3	0.32
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	3	0.32
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	3	0.32
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	7	0.32
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	8	0.32
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	3	0.32
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD11	7	0.32
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD12	7	0.32
(1,535)	1:40:B:VAL:HG11	1:126:B:LEU:HD13	7	0.32
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD11	7	0.32
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD12	7	0.32
(1,535)	1:40:B:VAL:HG12	1:126:B:LEU:HD13	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD11	7	0.32
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD12	7	0.32
(1,535)	1:40:B:VAL:HG13	1:126:B:LEU:HD13	7	0.32
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD21	14	0.32
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD22	14	0.32
(1,525)	1:36:B:TRP:HE3	1:68:B:LEU:HD23	14	0.32
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	17	0.32
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	6	0.32
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	1	0.32
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	4	0.32
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	10	0.32
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	8	0.32
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	10	0.32
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	12	0.32
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	9	0.32
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	5	0.32
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	2	0.32
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	11	0.32
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	2	0.32
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	2	0.32
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	2	0.32
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	16	0.32
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	16	0.32
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	16	0.32
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	9	0.32
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	10	0.32
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	3	0.32
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	3	0.32
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	15	0.32
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	15	0.32
(1,50)	1:19:A:LYS:H	1:81:A:GLY:H	13	0.32
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	5	0.32
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	9	0.32
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	11	0.32
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	7	0.31
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	7	0.31
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	7	0.31
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	7	0.31
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	7	0.31
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	7	0.31
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	7	0.31
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	7	0.31
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	17	0.31
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	17	0.31
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	17	0.31
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	17	0.31
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	17	0.31
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	17	0.31
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	17	0.31
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	17	0.31
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	17	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	7	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	7	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	7	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	7	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	7	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	7	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	7	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	7	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	7	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	15	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	15	0.31
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	15	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	15	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	15	0.31
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	15	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	15	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	15	0.31
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	15	0.31
(1,1652)	1:134:D:ASP:H	1:137:D:PHE:H	3	0.31
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	13	0.31
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	13	0.31
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	13	0.31
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	13	0.31
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	13	0.31
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	13	0.31
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	13	0.31
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	13	0.31
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	13	0.31
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	6	0.31
(1,1636)	1:121:D:GLY:H	1:123:D:PHE:H	13	0.31
(1,1594)	1:100:D:ALA:HB1	1:133:D:PHE:H	1	0.31
(1,1594)	1:100:D:ALA:HB2	1:133:D:PHE:H	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1594)	1:100:D:ALA:HB3	1:133:D:PHE:H	1	0.31
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	13	0.31
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	16	0.31
(1,1545)	1:86:D:ILE:HD11	1:88:D:GLY:H	3	0.31
(1,1545)	1:86:D:ILE:HD12	1:88:D:GLY:H	3	0.31
(1,1545)	1:86:D:ILE:HD13	1:88:D:GLY:H	3	0.31
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	2	0.31
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	19	0.31
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	19	0.31
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	13	0.31
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	13	0.31
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	13	0.31
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	13	0.31
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	13	0.31
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	13	0.31
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	13	0.31
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	13	0.31
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	13	0.31
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	4	0.31
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	4	0.31
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	4	0.31
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	4	0.31
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	4	0.31
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	4	0.31
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE1	7	0.31
(1,1294)	1:13:D:ILE:HD11	1:101:D:TYR:HE2	7	0.31
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE1	7	0.31
(1,1294)	1:13:D:ILE:HD12	1:101:D:TYR:HE2	7	0.31
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE1	7	0.31
(1,1294)	1:13:D:ILE:HD13	1:101:D:TYR:HE2	7	0.31
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	13	0.31
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	13	0.31
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	1	0.31
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	16	0.31
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	7	0.31
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	7	0.31
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	7	0.31
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD21	9	0.31
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD22	9	0.31
(1,1132)	1:74:C:PHE:HE1	1:126:C:LEU:HD23	9	0.31
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD21	9	0.31
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD22	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:74:C:PHE:HE2	1:126:C:LEU:HD23	9	0.31
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	10	0.31
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	19	0.31
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	12	0.31
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	3	0.31
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	18	0.31
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	18	0.31
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	18	0.31
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	13	0.31
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	13	0.31
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	13	0.31
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	7	0.31
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	4	0.31
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	4	0.31
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	3	0.31
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	3	0.31
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	12	0.31
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	16	0.31
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	3	0.31
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	3	0.31
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	3	0.31
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	3	0.31
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	3	0.31
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	3	0.31
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	5	0.31
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	5	0.31
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	5	0.31
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	5	0.31
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	5	0.31
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	5	0.31
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	18	0.31
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	2	0.31
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	3	0.31
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	9	0.31
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	6	0.31
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	5	0.31
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	12	0.31
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	18	0.31
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	10	0.31
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	10	0.31
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	10	0.31
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	13	0.31
(1,454)	1:13:B:ILE:HD11	1:14:B:GLN:H	4	0.31
(1,454)	1:13:B:ILE:HD12	1:14:B:GLN:H	4	0.31
(1,454)	1:13:B:ILE:HD13	1:14:B:GLN:H	4	0.31
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	18	0.31
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	4	0.31
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	9	0.31
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	13	0.31
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	6	0.31
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	19	0.31
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	2	0.31
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	3	0.31
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	11	0.31
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	9	0.31
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	16	0.31
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	17	0.31
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD11	4	0.31
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD12	4	0.31
(1,309)	1:88:A:GLY:H	1:89:A:ILE:HD13	4	0.31
(1,302)	1:86:A:ILE:HD11	1:89:A:ILE:HD11	14	0.31
(1,302)	1:86:A:ILE:HD11	1:89:A:ILE:HD12	14	0.31
(1,302)	1:86:A:ILE:HD11	1:89:A:ILE:HD13	14	0.31
(1,302)	1:86:A:ILE:HD12	1:89:A:ILE:HD11	14	0.31
(1,302)	1:86:A:ILE:HD12	1:89:A:ILE:HD12	14	0.31
(1,302)	1:86:A:ILE:HD12	1:89:A:ILE:HD13	14	0.31
(1,302)	1:86:A:ILE:HD13	1:89:A:ILE:HD11	14	0.31
(1,302)	1:86:A:ILE:HD13	1:89:A:ILE:HD12	14	0.31
(1,302)	1:86:A:ILE:HD13	1:89:A:ILE:HD13	14	0.31
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	15	0.31
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	2	0.31
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	18	0.31
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	4	0.31
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	12	0.31
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	6	0.31
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	6	0.31
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	6	0.31
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	6	0.31
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	6	0.31
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	6	0.31
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	6	0.31
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	6	0.31
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	10	0.31
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	16	0.31
(1,101)	1:33:A:GLN:H	1:34:A:LYS:H	6	0.31
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	12	0.31
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	12	0.31
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	6	0.31
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB1	6	0.31
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB2	6	0.31
(1,17)	1:13:A:ILE:H	1:135:C:ALA:HB3	6	0.31
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD11	9	0.3
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD12	9	0.3
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD13	9	0.3
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD21	9	0.3
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD22	9	0.3
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD23	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD11	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD12	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD13	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD21	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD22	9	0.3
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD23	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD11	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD12	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD13	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD21	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD22	9	0.3
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD23	9	0.3
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	19	0.3
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	19	0.3
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	19	0.3
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	19	0.3
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	19	0.3
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	19	0.3
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	19	0.3
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	19	0.3
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	19	0.3
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	3	0.3
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	5	0.3
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	6	0.3
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	18	0.3
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	14	0.3
(1,1546)	1:86:D:ILE:HD11	1:89:D:ILE:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:86:D:ILE:HD12	1:89:D:ILE:H	1	0.3
(1,1546)	1:86:D:ILE:HD13	1:89:D:ILE:H	1	0.3
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	5	0.3
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	6	0.3
(1,1452)	1:60:D:LEU:H	1:81:D:GLY:H	10	0.3
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	20	0.3
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	20	0.3
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	11	0.3
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	3	0.3
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	17	0.3
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	13	0.3
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	8	0.3
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	7	0.3
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	7	0.3
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	2	0.3
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	2	0.3
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	8	0.3
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	8	0.3
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD21	4	0.3
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD22	4	0.3
(1,1269)	1:137:C:PHE:HE1	1:141:C:LEU:HD23	4	0.3
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD21	4	0.3
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD22	4	0.3
(1,1269)	1:137:C:PHE:HE2	1:141:C:LEU:HD23	4	0.3
(1,1206)	1:110:C:ALA:H	1:112:C:GLU:H	11	0.3
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	5	0.3
(1,1188)	1:96:C:HIS:H	1:98:C:LEU:H	13	0.3
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	16	0.3
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	6	0.3
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	6	0.3
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	6	0.3
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	6	0.3
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	6	0.3
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	6	0.3
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	6	0.3
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	6	0.3
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	6	0.3
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	1	0.3
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	1	0.3
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	1	0.3
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	17	0.3
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	16	0.3
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	16	0.3
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	1	0.3
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	8	0.3
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	3	0.3
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	17	0.3
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	7	0.3
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	12	0.3
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	8	0.3
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	6	0.3
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	5	0.3
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	8	0.3
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	4	0.3
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	19	0.3
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	7	0.3
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	7	0.3
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	8	0.3
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	9	0.3
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD21	18	0.3
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD22	18	0.3
(1,552)	1:42:B:LEU:HD21	1:126:B:LEU:HD23	18	0.3
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD21	18	0.3
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD22	18	0.3
(1,552)	1:42:B:LEU:HD22	1:126:B:LEU:HD23	18	0.3
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD21	18	0.3
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD22	18	0.3
(1,552)	1:42:B:LEU:HD23	1:126:B:LEU:HD23	18	0.3
(1,476)	1:19:B:LYS:H	1:20:B:ASP:H	7	0.3
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	10	0.3
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	12	0.3
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	12	0.3
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	12	0.3
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	11	0.3
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	9	0.3
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	14	0.3
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	15	0.3
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	16	0.3
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	6	0.3
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	6	0.3
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	6	0.3
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	20	0.3
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	11	0.3
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	18	0.3
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	1	0.3
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	4	0.3
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	11	0.3
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	7	0.3
(1,94)	1:31:A:VAL:HG21	1:36:A:TRP:HZ3	2	0.3
(1,94)	1:31:A:VAL:HG22	1:36:A:TRP:HZ3	2	0.3
(1,94)	1:31:A:VAL:HG23	1:36:A:TRP:HZ3	2	0.3
(1,91)	1:31:A:VAL:HG11	1:32:A:PHE:H	18	0.3
(1,91)	1:31:A:VAL:HG12	1:32:A:PHE:H	18	0.3
(1,91)	1:31:A:VAL:HG13	1:32:A:PHE:H	18	0.3
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	7	0.3
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	7	0.3
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	14	0.3
(1,49)	1:19:A:LYS:H	1:80:A:GLN:H	13	0.3
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	5	0.3
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	20	0.3
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	5	0.29
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	5	0.29
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	5	0.29
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	5	0.29
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	5	0.29
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	5	0.29
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	5	0.29
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	5	0.29
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	5	0.29
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	18	0.29
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	2	0.29
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	3	0.29
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	16	0.29
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	11	0.29
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	14	0.29
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	2	0.29
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	14	0.29
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	14	0.29
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	14	0.29
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	5	0.29
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	13	0.29
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	18	0.29
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	7	0.29
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	10	0.29
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	15	0.29
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	8	0.29
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	16	0.29
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	19	0.29
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	14	0.29
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	17	0.29
(1,1173)	1:90:C:GLU:H	1:94:C:MET:H	6	0.29
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	14	0.29
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	15	0.29
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	19	0.29
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	19	0.29
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	19	0.29
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	16	0.29
(1,948)	1:28:C:ALA:HB1	1:17:D:TYR:HE1	20	0.29
(1,948)	1:28:C:ALA:HB1	1:17:D:TYR:HE2	20	0.29
(1,948)	1:28:C:ALA:HB2	1:17:D:TYR:HE1	20	0.29
(1,948)	1:28:C:ALA:HB2	1:17:D:TYR:HE2	20	0.29
(1,948)	1:28:C:ALA:HB3	1:17:D:TYR:HE1	20	0.29
(1,948)	1:28:C:ALA:HB3	1:17:D:TYR:HE2	20	0.29
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	4	0.29
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	6	0.29
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	19	0.29
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	2	0.29
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	2	0.29
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	2	0.29
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	5	0.29
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	5	0.29
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	5	0.29
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	5	0.29
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	5	0.29
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	5	0.29
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	7	0.29
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	6	0.29
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	6	0.29
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	6	0.29
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	6	0.29
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	6	0.29
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	6	0.29
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	6	0.29
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	6	0.29
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	6	0.29
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	18	0.29
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	10	0.29
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	5	0.29
(1,455)	1:13:B:ILE:HD11	1:15:B:ARG:H	4	0.29
(1,455)	1:13:B:ILE:HD12	1:15:B:ARG:H	4	0.29
(1,455)	1:13:B:ILE:HD13	1:15:B:ARG:H	4	0.29
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	17	0.29
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	11	0.29
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	4	0.29
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	4	0.29
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	15	0.29
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	15	0.29
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	15	0.29
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	16	0.29
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	6	0.29
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD11	7	0.29
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD12	7	0.29
(1,190)	1:56:A:TYR:HD1	1:86:A:ILE:HD13	7	0.29
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD11	7	0.29
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD12	7	0.29
(1,190)	1:56:A:TYR:HD2	1:86:A:ILE:HD13	7	0.29
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	20	0.29
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	8	0.29
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	14	0.29
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	14	0.29
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG11	18	0.29
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG12	18	0.29
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG13	18	0.29
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	11	0.29
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	11	0.29
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	2	0.29
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	17	0.29
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	17	0.29
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	18	0.29
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	12	0.29
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	4	0.29
(1,1764)	1:136:A:LEU:HD11	2:207:H:VAL:HG21	13	0.28
(1,1764)	1:136:A:LEU:HD11	2:207:H:VAL:HG22	13	0.28
(1,1764)	1:136:A:LEU:HD11	2:207:H:VAL:HG23	13	0.28
(1,1764)	1:136:A:LEU:HD12	2:207:H:VAL:HG21	13	0.28
(1,1764)	1:136:A:LEU:HD12	2:207:H:VAL:HG22	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:136:A:LEU:HD12	2:207:H:VAL:HG23	13	0.28
(1,1764)	1:136:A:LEU:HD13	2:207:H:VAL:HG21	13	0.28
(1,1764)	1:136:A:LEU:HD13	2:207:H:VAL:HG22	13	0.28
(1,1764)	1:136:A:LEU:HD13	2:207:H:VAL:HG23	13	0.28
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	1	0.28
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	1	0.28
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	1	0.28
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	1	0.28
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	1	0.28
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	1	0.28
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	1	0.28
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	1	0.28
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	1	0.28
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	16	0.28
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	16	0.28
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	16	0.28
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	16	0.28
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	16	0.28
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	16	0.28
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	16	0.28
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	16	0.28
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	16	0.28
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	11	0.28
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	11	0.28
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	11	0.28
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	11	0.28
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	11	0.28
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	11	0.28
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	11	0.28
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	11	0.28
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	11	0.28
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD11	4	0.28
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD12	4	0.28
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD13	4	0.28
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD11	4	0.28
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD12	4	0.28
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD13	4	0.28
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD11	4	0.28
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD12	4	0.28
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD13	4	0.28
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	17	0.28
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	7	0.28
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	2	0.28
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	1	0.28
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	10	0.28
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	4	0.28
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	13	0.28
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	19	0.28
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	20	0.28
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	1	0.28
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	16	0.28
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	3	0.28
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	3	0.28
(1,1265)	1:136:C:LEU:HD21	1:137:C:PHE:H	14	0.28
(1,1265)	1:136:C:LEU:HD22	1:137:C:PHE:H	14	0.28
(1,1265)	1:136:C:LEU:HD23	1:137:C:PHE:H	14	0.28
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	10	0.28
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	12	0.28
(1,1161)	1:86:C:ILE:HD11	1:89:C:ILE:HD11	13	0.28
(1,1161)	1:86:C:ILE:HD11	1:89:C:ILE:HD12	13	0.28
(1,1161)	1:86:C:ILE:HD11	1:89:C:ILE:HD13	13	0.28
(1,1161)	1:86:C:ILE:HD12	1:89:C:ILE:HD11	13	0.28
(1,1161)	1:86:C:ILE:HD12	1:89:C:ILE:HD12	13	0.28
(1,1161)	1:86:C:ILE:HD12	1:89:C:ILE:HD13	13	0.28
(1,1161)	1:86:C:ILE:HD13	1:89:C:ILE:HD11	13	0.28
(1,1161)	1:86:C:ILE:HD13	1:89:C:ILE:HD12	13	0.28
(1,1161)	1:86:C:ILE:HD13	1:89:C:ILE:HD13	13	0.28
(1,1016)	1:49:C:SER:H	1:59:C:VAL:H	5	0.28
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	20	0.28
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	20	0.28
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	20	0.28
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	16	0.28
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	12	0.28
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	12	0.28
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	12	0.28
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	12	0.28
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	12	0.28
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	12	0.28
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	12	0.28
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	12	0.28
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	12	0.28
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	8	0.28
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:13:C:ILE:HD11	1:84:C:PHE:HE1	15	0.28
(1,890)	1:13:C:ILE:HD11	1:84:C:PHE:HE2	15	0.28
(1,890)	1:13:C:ILE:HD12	1:84:C:PHE:HE1	15	0.28
(1,890)	1:13:C:ILE:HD12	1:84:C:PHE:HE2	15	0.28
(1,890)	1:13:C:ILE:HD13	1:84:C:PHE:HE1	15	0.28
(1,890)	1:13:C:ILE:HD13	1:84:C:PHE:HE2	15	0.28
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	20	0.28
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	20	0.28
(1,861)	1:137:B:PHE:H	1:140:B:TYR:H	8	0.28
(1,849)	1:135:B:ALA:H	1:137:B:PHE:H	13	0.28
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	8	0.28
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	13	0.28
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	20	0.28
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	5	0.28
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	16	0.28
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	3	0.28
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	4	0.28
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	14	0.28
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD21	17	0.28
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD22	17	0.28
(1,673)	1:64:B:VAL:HG11	1:126:B:LEU:HD23	17	0.28
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD21	17	0.28
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD22	17	0.28
(1,673)	1:64:B:VAL:HG12	1:126:B:LEU:HD23	17	0.28
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD21	17	0.28
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD22	17	0.28
(1,673)	1:64:B:VAL:HG13	1:126:B:LEU:HD23	17	0.28
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE1	8	0.28
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE2	8	0.28
(1,620)	1:56:B:TYR:HE1	1:94:B:MET:HE3	8	0.28
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE1	8	0.28
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE2	8	0.28
(1,620)	1:56:B:TYR:HE2	1:94:B:MET:HE3	8	0.28
(1,614)	1:56:B:TYR:H	1:86:B:ILE:H	10	0.28
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	7	0.28
(1,542)	1:42:B:LEU:H	1:65:B:THR:H	17	0.28
(1,538)	1:41:B:LYS:H	1:65:B:THR:H	14	0.28
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	19	0.28
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	9	0.28
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	6	0.28
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	17	0.28
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	17	0.28
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	17	0.28
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	17	0.28
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	17	0.28
(1,423)	1:137:A:PHE:H	1:140:A:TYR:H	12	0.28
(1,385)	1:118:A:VAL:HG11	1:123:A:PHE:HD1	16	0.28
(1,385)	1:118:A:VAL:HG11	1:123:A:PHE:HD2	16	0.28
(1,385)	1:118:A:VAL:HG12	1:123:A:PHE:HD1	16	0.28
(1,385)	1:118:A:VAL:HG12	1:123:A:PHE:HD2	16	0.28
(1,385)	1:118:A:VAL:HG13	1:123:A:PHE:HD1	16	0.28
(1,385)	1:118:A:VAL:HG13	1:123:A:PHE:HD2	16	0.28
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	13	0.28
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	16	0.28
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	8	0.28
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	8	0.28
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	16	0.28
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	16	0.28
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	16	0.28
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	16	0.28
(1,260)	1:69:A:GLY:H	1:70:A:GLU:H	2	0.28
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	13	0.28
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	13	0.28
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	13	0.28
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	13	0.28
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	13	0.28
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	13	0.28
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	13	0.28
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	13	0.28
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	13	0.28
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	3	0.28
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	6	0.28
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	9	0.28
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	6	0.28
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	16	0.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	12	0.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	12	0.28
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	12	0.28
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	4	0.28
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	4	0.28
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	4	0.28
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	17	0.28
(1,75)	1:24:A:GLU:H	1:75:A:LEU:H	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	19	0.27
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	19	0.27
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	19	0.27
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	19	0.27
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	19	0.27
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	19	0.27
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	19	0.27
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	19	0.27
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	19	0.27
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	6	0.27
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	6	0.27
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	6	0.27
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	6	0.27
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	6	0.27
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	6	0.27
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	6	0.27
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	6	0.27
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	6	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	8	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	8	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	8	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	8	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	8	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	8	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	8	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	8	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	8	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	20	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	20	0.27
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	20	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	20	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	20	0.27
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	20	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	20	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	20	0.27
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	20	0.27
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD11	10	0.27
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD12	10	0.27
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD13	10	0.27
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD11	10	0.27
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD12	10	0.27
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD13	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD11	10	0.27
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD12	10	0.27
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD13	10	0.27
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	4	0.27
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	4	0.27
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	4	0.27
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	4	0.27
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	4	0.27
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	4	0.27
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	4	0.27
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	4	0.27
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	4	0.27
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	16	0.27
(1,1647)	1:133:D:PHE:H	1:135:D:ALA:H	6	0.27
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	5	0.27
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	7	0.27
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	12	0.27
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	15	0.27
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	11	0.27
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	8	0.27
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD1	20	0.27
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD2	20	0.27
(1,1393)	1:45:D:ASP:H	1:61:D:ARG:H	1	0.27
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	4	0.27
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	19	0.27
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	7	0.27
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	18	0.27
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	3	0.27
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	2	0.27
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	6	0.27
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	8	0.27
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	10	0.27
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	16	0.27
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	16	0.27
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	19	0.27
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	19	0.27
(1,1280)	1:10:D:THR:H	1:87:D:ALA:H	5	0.27
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	14	0.27
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	11	0.27
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	19	0.27
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	13	0.27
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	11	0.27
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	13	0.27
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	17	0.27
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	20	0.27
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	20	0.27
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	20	0.27
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	4	0.27
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	4	0.27
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	4	0.27
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	4	0.27
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	4	0.27
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	4	0.27
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	4	0.27
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	4	0.27
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	4	0.27
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	3	0.27
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	1	0.27
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD11	2	0.27
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD12	2	0.27
(1,840)	1:131:B:VAL:HG21	1:136:B:LEU:HD13	2	0.27
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD11	2	0.27
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD12	2	0.27
(1,840)	1:131:B:VAL:HG22	1:136:B:LEU:HD13	2	0.27
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD11	2	0.27
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD12	2	0.27
(1,840)	1:131:B:VAL:HG23	1:136:B:LEU:HD13	2	0.27
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE1	19	0.27
(1,839)	1:131:B:VAL:HG21	1:133:B:PHE:HE2	19	0.27
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE1	19	0.27
(1,839)	1:131:B:VAL:HG22	1:133:B:PHE:HE2	19	0.27
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE1	19	0.27
(1,839)	1:131:B:VAL:HG23	1:133:B:PHE:HE2	19	0.27
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	8	0.27
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	13	0.27
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	15	0.27
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	20	0.27
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	10	0.27
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	16	0.27
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	17	0.27
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	17	0.27
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	17	0.27
(1,706)	1:73:B:ALA:H	1:74:B:PHE:H	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	13	0.27
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	2	0.27
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	17	0.27
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	7	0.27
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	10	0.27
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	19	0.27
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	9	0.27
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	9	0.27
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	9	0.27
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	7	0.27
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	14	0.27
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	13	0.27
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	13	0.27
(1,424)	1:137:A:PHE:HD1	1:138:A:MET:H	11	0.27
(1,424)	1:137:A:PHE:HD2	1:138:A:MET:H	11	0.27
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	4	0.27
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	8	0.27
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	5	0.27
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	6	0.27
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	19	0.27
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	10	0.27
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	12	0.27
(1,317)	1:92:A:THR:H	1:94:A:MET:H	14	0.27
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	4	0.27
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	4	0.27
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	9	0.27
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	13	0.27
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	12	0.27
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	18	0.27
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	4	0.27
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	20	0.27
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	2	0.27
(1,99)	1:32:A:PHE:H	1:34:A:LYS:H	2	0.27
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	20	0.27
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	20	0.27
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	12	0.27
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	17	0.27
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	11	0.27
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD11	3	0.26
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD12	3	0.26
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD13	3	0.26
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD21	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD22	3	0.26
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD23	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD11	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD12	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD13	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD21	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD22	3	0.26
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD23	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD11	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD12	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD13	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD21	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD22	3	0.26
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD23	3	0.26
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	9	0.26
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	9	0.26
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	9	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	9	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	9	0.26
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	9	0.26
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	9	0.26
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	9	0.26
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	9	0.26
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	6	0.26
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	19	0.26
(1,1610)	1:112:D:GLU:H	1:113:D:CYS:H	2	0.26
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	5	0.26
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD21	18	0.26
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD22	18	0.26
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD23	18	0.26
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	11	0.26
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	3	0.26
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	2	0.26
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	9	0.26
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	7	0.26
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	17	0.26
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	17	0.26
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	17	0.26
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	17	0.26
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	17	0.26
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	17	0.26
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	6	0.26
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	6	0.26
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	11	0.26
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	17	0.26
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	17	0.26
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	14	0.26
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	14	0.26
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	11	0.26
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	3	0.26
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	3	0.26
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	3	0.26
(1,1160)	1:86:C:ILE:HD11	1:88:C:GLY:H	4	0.26
(1,1160)	1:86:C:ILE:HD12	1:88:C:GLY:H	4	0.26
(1,1160)	1:86:C:ILE:HD13	1:88:C:GLY:H	4	0.26
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	9	0.26
(1,1070)	1:60:C:LEU:HD21	1:62:C:VAL:H	4	0.26
(1,1070)	1:60:C:LEU:HD22	1:62:C:VAL:H	4	0.26
(1,1070)	1:60:C:LEU:HD23	1:62:C:VAL:H	4	0.26
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	16	0.26
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	16	0.26
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	16	0.26
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	16	0.26
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	16	0.26
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	16	0.26
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	16	0.26
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	16	0.26
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	16	0.26
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	12	0.26
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	19	0.26
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	19	0.26
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	17	0.26
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	2	0.26
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	1	0.26
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	10	0.26
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	4	0.26
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	4	0.26
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	4	0.26
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	4	0.26
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	4	0.26
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	4	0.26
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	5	0.26
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE1	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:131:B:VAL:HG11	1:133:B:PHE:HE2	19	0.26
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE1	19	0.26
(1,838)	1:131:B:VAL:HG12	1:133:B:PHE:HE2	19	0.26
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE1	19	0.26
(1,838)	1:131:B:VAL:HG13	1:133:B:PHE:HE2	19	0.26
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	18	0.26
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	16	0.26
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	2	0.26
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	10	0.26
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	9	0.26
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	18	0.26
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	8	0.26
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	8	0.26
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD21	8	0.26
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD22	8	0.26
(1,565)	1:44:B:LEU:HD11	1:60:B:LEU:HD23	8	0.26
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD21	8	0.26
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD22	8	0.26
(1,565)	1:44:B:LEU:HD12	1:60:B:LEU:HD23	8	0.26
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD21	8	0.26
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD22	8	0.26
(1,565)	1:44:B:LEU:HD13	1:60:B:LEU:HD23	8	0.26
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	5	0.26
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	6	0.26
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	20	0.26
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	16	0.26
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	17	0.26
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	6	0.26
(1,357)	1:109:A:TYR:HE1	1:131:C:VAL:H	14	0.26
(1,357)	1:109:A:TYR:HE2	1:131:C:VAL:H	14	0.26
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	4	0.26
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	6	0.26
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	14	0.26
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	8	0.26
(1,317)	1:92:A:THR:H	1:94:A:MET:H	11	0.26
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	3	0.26
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	5	0.26
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	17	0.26
(1,256)	1:68:A:LEU:H	1:73:A:ALA:H	8	0.26
(1,254)	1:68:A:LEU:H	1:71:A:GLU:H	2	0.26
(1,239)	1:66:A:ALA:H	1:73:A:ALA:H	3	0.26
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	17	0.26
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	11	0.26
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	3	0.26
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	15	0.26
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	13	0.26
(1,120)	1:39:A:GLU:H	1:69:A:GLY:H	7	0.26
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	10	0.26
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	16	0.26
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	20	0.26
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	20	0.26
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	1	0.26
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	13	0.26
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	18	0.26
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	13	0.25
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	13	0.25
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	13	0.25
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	13	0.25
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	13	0.25
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	13	0.25
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	13	0.25
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	13	0.25
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	15	0.25
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	15	0.25
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	15	0.25
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	15	0.25
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	15	0.25
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	15	0.25
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	15	0.25
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	15	0.25
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	15	0.25
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD11	2	0.25
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD12	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD13	2	0.25
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD21	2	0.25
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD22	2	0.25
(1,1724)	1:94:A:MET:HE1	2:173:G:LEU:HD23	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD11	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD12	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD13	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD21	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD22	2	0.25
(1,1724)	1:94:A:MET:HE2	2:173:G:LEU:HD23	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD11	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD12	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD13	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD21	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD22	2	0.25
(1,1724)	1:94:A:MET:HE3	2:173:G:LEU:HD23	2	0.25
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	18	0.25
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	18	0.25
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	18	0.25
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	18	0.25
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	18	0.25
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	18	0.25
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	18	0.25
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	18	0.25
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	18	0.25
(1,1712)	1:98:B:LEU:HD21	2:177:F:LEU:HD11	20	0.25
(1,1712)	1:98:B:LEU:HD21	2:177:F:LEU:HD12	20	0.25
(1,1712)	1:98:B:LEU:HD21	2:177:F:LEU:HD13	20	0.25
(1,1712)	1:98:B:LEU:HD22	2:177:F:LEU:HD11	20	0.25
(1,1712)	1:98:B:LEU:HD22	2:177:F:LEU:HD12	20	0.25
(1,1712)	1:98:B:LEU:HD22	2:177:F:LEU:HD13	20	0.25
(1,1712)	1:98:B:LEU:HD23	2:177:F:LEU:HD11	20	0.25
(1,1712)	1:98:B:LEU:HD23	2:177:F:LEU:HD12	20	0.25
(1,1712)	1:98:B:LEU:HD23	2:177:F:LEU:HD13	20	0.25
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	12	0.25
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	12	0.25
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	12	0.25
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	12	0.25
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	12	0.25
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	12	0.25
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	12	0.25
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	12	0.25
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	8	0.25
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	8	0.25
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	8	0.25
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	8	0.25
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	8	0.25
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	8	0.25
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	8	0.25
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	8	0.25
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	8	0.25
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	10	0.25
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	18	0.25
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	9	0.25
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	15	0.25
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	15	0.25
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	15	0.25
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	15	0.25
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	15	0.25
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	15	0.25
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	15	0.25
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	15	0.25
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	15	0.25
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	20	0.25
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	20	0.25
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	20	0.25
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	17	0.25
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	20	0.25
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	1	0.25
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	6	0.25
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	16	0.25
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	14	0.25
(1,1367)	1:40:D:VAL:HG11	1:41:D:LYS:H	3	0.25
(1,1367)	1:40:D:VAL:HG12	1:41:D:LYS:H	3	0.25
(1,1367)	1:40:D:VAL:HG13	1:41:D:LYS:H	3	0.25
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	10	0.25
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	5	0.25
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	9	0.25
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	14	0.25
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	18	0.25
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	9	0.25
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	6	0.25
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	17	0.25
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	17	0.25
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	12	0.25
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	12	0.25
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	17	0.25
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	17	0.25
(1,1260)	1:135:C:ALA:H	1:138:C:MET:H	10	0.25
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	10	0.25
(1,1211)	1:112:C:GLU:H	1:113:C:CYS:H	20	0.25
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	7	0.25
(1,1173)	1:90:C:GLU:H	1:94:C:MET:H	2	0.25
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	16	0.25
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	1	0.25
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	7	0.25
(1,1069)	1:60:C:LEU:HD21	1:61:C:ARG:H	2	0.25
(1,1069)	1:60:C:LEU:HD22	1:61:C:ARG:H	2	0.25
(1,1069)	1:60:C:LEU:HD23	1:61:C:ARG:H	2	0.25
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	8	0.25
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	8	0.25
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	8	0.25
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	8	0.25
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	8	0.25
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	8	0.25
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	8	0.25
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	8	0.25
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	8	0.25
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	1	0.25
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	14	0.25
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	12	0.25
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	12	0.25
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	12	0.25
(1,877)	1:11:C:PHE:HD1	1:12:C:GLN:H	16	0.25
(1,877)	1:11:C:PHE:HD2	1:12:C:GLN:H	16	0.25
(1,835)	1:128:B:LEU:HD21	1:129:B:ALA:H	10	0.25
(1,835)	1:128:B:LEU:HD22	1:129:B:ALA:H	10	0.25
(1,835)	1:128:B:LEU:HD23	1:129:B:ALA:H	10	0.25
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	14	0.25
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	2	0.25
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	17	0.25
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	13	0.25
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	19	0.25
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:92:B:THR:H	1:94:B:MET:H	4	0.25
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	20	0.25
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	20	0.25
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	20	0.25
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	18	0.25
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	18	0.25
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	18	0.25
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	18	0.25
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE1	18	0.25
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE2	18	0.25
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE1	18	0.25
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE2	18	0.25
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	18	0.25
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	8	0.25
(1,641)	1:60:B:LEU:H	1:80:B:GLN:H	14	0.25
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	20	0.25
(1,597)	1:51:B:LEU:H	1:57:B:GLU:H	14	0.25
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	16	0.25
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	20	0.25
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	18	0.25
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	15	0.25
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	15	0.25
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	15	0.25
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	8	0.25
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	8	0.25
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	8	0.25
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	13	0.25
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	8	0.25
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	19	0.25
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	19	0.25
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	9	0.25
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	13	0.25
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	15	0.25
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	9	0.25
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	1	0.25
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	4	0.25
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	12	0.25
(1,261)	1:69:A:GLY:H	1:71:A:GLU:H	18	0.25
(1,256)	1:68:A:LEU:H	1:73:A:ALA:H	7	0.25
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	2	0.25
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	5	0.25
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	1	0.25
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	12	0.25
(1,161)	1:49:A:SER:H	1:57:A:GLU:H	11	0.25
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	3	0.25
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	2	0.25
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	3	0.25
(1,75)	1:24:A:GLU:H	1:75:A:LEU:H	13	0.25
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	5	0.25
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	5	0.25
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	10	0.25
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	10	0.25
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	19	0.25
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	8	0.25
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	19	0.24
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	19	0.24
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	19	0.24
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	19	0.24
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	19	0.24
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	19	0.24
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	19	0.24
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	19	0.24
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	19	0.24
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	17	0.24
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	17	0.24
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	17	0.24
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	17	0.24
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	17	0.24
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	17	0.24
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	17	0.24
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	17	0.24
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	17	0.24
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	4	0.24
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	4	0.24
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	4	0.24
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	4	0.24
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	4	0.24
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	4	0.24
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	4	0.24
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	4	0.24
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	4	0.24
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	1	0.24
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	1	0.24
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	1	0.24
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	1	0.24
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	1	0.24
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	1	0.24
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	1	0.24
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	1	0.24
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	17	0.24
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	17	0.24
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	17	0.24
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	17	0.24
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	17	0.24
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	17	0.24
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	17	0.24
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	17	0.24
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	17	0.24
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG11	13	0.24
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG12	13	0.24
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG13	13	0.24
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG11	13	0.24
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG12	13	0.24
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG13	13	0.24
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG11	13	0.24
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG12	13	0.24
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG13	13	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD11	18	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD12	18	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD13	18	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD21	18	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD22	18	0.24
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD23	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD11	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD12	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD13	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD21	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD22	18	0.24
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD23	18	0.24
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD11	18	0.24
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD12	18	0.24
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD13	18	0.24
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD21	18	0.24
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD22	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD23	18	0.24
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	13	0.24
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	10	0.24
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	20	0.24
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	4	0.24
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	12	0.24
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	20	0.24
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	4	0.24
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	10	0.24
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	3	0.24
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	3	0.24
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	3	0.24
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	6	0.24
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	16	0.24
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	13	0.24
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	16	0.24
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	20	0.24
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE1	12	0.24
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE2	12	0.24
(1,1548)	1:86:D:ILE:HD11	1:94:D:MET:HE3	12	0.24
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE1	12	0.24
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE2	12	0.24
(1,1548)	1:86:D:ILE:HD12	1:94:D:MET:HE3	12	0.24
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE1	12	0.24
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE2	12	0.24
(1,1548)	1:86:D:ILE:HD13	1:94:D:MET:HE3	12	0.24
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	12	0.24
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	16	0.24
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	12	0.24
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	4	0.24
(1,1359)	1:35:D:ASP:H	1:36:D:TRP:HE1	17	0.24
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	6	0.24
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	6	0.24
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	6	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	6	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	6	0.24
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	6	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	6	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	6	0.24
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	6	0.24
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	5	0.24
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	4	0.24
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	17	0.24
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	4	0.24
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	10	0.24
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	10	0.24
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	7	0.24
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	7	0.24
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	19	0.24
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	4	0.24
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	12	0.24
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	1	0.24
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	1	0.24
(1,1193)	1:99:C:GLY:H	1:100:C:ALA:H	9	0.24
(1,1168)	1:89:C:ILE:HD11	1:90:C:GLU:H	9	0.24
(1,1168)	1:89:C:ILE:HD12	1:90:C:GLU:H	9	0.24
(1,1168)	1:89:C:ILE:HD13	1:90:C:GLU:H	9	0.24
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	18	0.24
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD11	5	0.24
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD12	5	0.24
(1,1088)	1:64:C:VAL:HG11	1:126:C:LEU:HD13	5	0.24
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD11	5	0.24
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD12	5	0.24
(1,1088)	1:64:C:VAL:HG12	1:126:C:LEU:HD13	5	0.24
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD11	5	0.24
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD12	5	0.24
(1,1088)	1:64:C:VAL:HG13	1:126:C:LEU:HD13	5	0.24
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG21	12	0.24
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG22	12	0.24
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG23	12	0.24
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	12	0.24
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	12	0.24
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	12	0.24
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	9	0.24
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	15	0.24
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	10	0.24
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	10	0.24
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	10	0.24
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	10	0.24
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	10	0.24
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	10	0.24
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	10	0.24
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	10	0.24
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	14	0.24
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	7	0.24
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	11	0.24
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	19	0.24
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	4	0.24
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	7	0.24
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	11	0.24
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	7	0.24
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	8	0.24
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	15	0.24
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	2	0.24
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	10	0.24
(1,758)	1:92:B:THR:H	1:94:B:MET:H	19	0.24
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	1	0.24
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	12	0.24
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	8	0.24
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	20	0.24
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	20	0.24
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD21	18	0.24
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD22	18	0.24
(1,619)	1:56:B:TYR:HD1	1:98:B:LEU:HD23	18	0.24
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD21	18	0.24
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD22	18	0.24
(1,619)	1:56:B:TYR:HD2	1:98:B:LEU:HD23	18	0.24
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	11	0.24
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD1	4	0.24
(1,596)	1:51:B:LEU:H	1:56:B:TYR:HD2	4	0.24
(1,593)	1:51:B:LEU:H	1:55:B:VAL:H	3	0.24
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	9	0.24
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	18	0.24
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	17	0.24
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	11	0.24
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD11	6	0.24
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD12	6	0.24
(1,567)	1:44:B:LEU:HD11	1:128:B:LEU:HD13	6	0.24
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD11	6	0.24
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD12	6	0.24
(1,567)	1:44:B:LEU:HD12	1:128:B:LEU:HD13	6	0.24
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD11	6	0.24
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD12	6	0.24
(1,567)	1:44:B:LEU:HD13	1:128:B:LEU:HD13	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	1	0.24
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	1	0.24
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	1	0.24
(1,518)	1:32:B:PHE:HD1	1:33:B:GLN:H	1	0.24
(1,518)	1:32:B:PHE:HD2	1:33:B:GLN:H	1	0.24
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	20	0.24
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	20	0.24
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	2	0.24
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	15	0.24
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	7	0.24
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	18	0.24
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	5	0.24
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	5	0.24
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	5	0.24
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	20	0.24
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	3	0.24
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	14	0.24
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	14	0.24
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	14	0.24
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	14	0.24
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	14	0.24
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	14	0.24
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	14	0.24
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	14	0.24
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	14	0.24
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	8	0.24
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	20	0.24
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	20	0.24
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	2	0.24
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG11	19	0.24
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG12	19	0.24
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG13	19	0.24
(1,126)	1:40:A:VAL:HG11	1:126:A:LEU:HD21	12	0.24
(1,126)	1:40:A:VAL:HG11	1:126:A:LEU:HD22	12	0.24
(1,126)	1:40:A:VAL:HG11	1:126:A:LEU:HD23	12	0.24
(1,126)	1:40:A:VAL:HG12	1:126:A:LEU:HD21	12	0.24
(1,126)	1:40:A:VAL:HG12	1:126:A:LEU:HD22	12	0.24
(1,126)	1:40:A:VAL:HG12	1:126:A:LEU:HD23	12	0.24
(1,126)	1:40:A:VAL:HG13	1:126:A:LEU:HD21	12	0.24
(1,126)	1:40:A:VAL:HG13	1:126:A:LEU:HD22	12	0.24
(1,126)	1:40:A:VAL:HG13	1:126:A:LEU:HD23	12	0.24
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	8	0.24
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	19	0.24
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	16	0.24
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	19	0.24
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	18	0.23
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	18	0.23
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	18	0.23
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	18	0.23
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	18	0.23
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	18	0.23
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	18	0.23
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	18	0.23
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	18	0.23
(1,1742)	1:136:D:LEU:HD11	2:207:G:VAL:HG21	18	0.23
(1,1742)	1:136:D:LEU:HD11	2:207:G:VAL:HG22	18	0.23
(1,1742)	1:136:D:LEU:HD11	2:207:G:VAL:HG23	18	0.23
(1,1742)	1:136:D:LEU:HD12	2:207:G:VAL:HG21	18	0.23
(1,1742)	1:136:D:LEU:HD12	2:207:G:VAL:HG22	18	0.23
(1,1742)	1:136:D:LEU:HD12	2:207:G:VAL:HG23	18	0.23
(1,1742)	1:136:D:LEU:HD13	2:207:G:VAL:HG21	18	0.23
(1,1742)	1:136:D:LEU:HD13	2:207:G:VAL:HG22	18	0.23
(1,1742)	1:136:D:LEU:HD13	2:207:G:VAL:HG23	18	0.23
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	18	0.23
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	18	0.23
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	18	0.23
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	18	0.23
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	18	0.23
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	18	0.23
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	18	0.23
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	18	0.23
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	18	0.23
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	15	0.23
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	15	0.23
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	15	0.23
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	15	0.23
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	15	0.23
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	15	0.23
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	15	0.23
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	15	0.23
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	15	0.23
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	7	0.23
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	7	0.23
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	7	0.23
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	7	0.23
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	7	0.23
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	7	0.23
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	7	0.23
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	7	0.23
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	20	0.23
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	20	0.23
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	20	0.23
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	20	0.23
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	20	0.23
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	20	0.23
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	20	0.23
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	20	0.23
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	20	0.23
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	6	0.23
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	6	0.23
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	6	0.23
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	6	0.23
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	6	0.23
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	6	0.23
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	6	0.23
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	6	0.23
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	6	0.23
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD11	9	0.23
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD12	9	0.23
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD13	9	0.23
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD11	9	0.23
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD12	9	0.23
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD13	9	0.23
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD11	9	0.23
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD12	9	0.23
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD13	9	0.23
(1,1673)	1:140:D:TYR:HD1	1:141:D:LEU:H	1	0.23
(1,1673)	1:140:D:TYR:HD2	1:141:D:LEU:H	1	0.23
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	7	0.23
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	13	0.23
(1,1652)	1:134:D:ASP:H	1:137:D:PHE:H	11	0.23
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	13	0.23
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	3	0.23
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB1	14	0.23
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB2	14	0.23
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB3	14	0.23
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB1	14	0.23
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB2	14	0.23
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB3	14	0.23
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB1	14	0.23
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB2	14	0.23
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB3	14	0.23
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	12	0.23
(1,1439)	1:58:D:VAL:H	1:82:D:GLY:H	20	0.23
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	5	0.23
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	5	0.23
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	18	0.23
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	18	0.23
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	20	0.23
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	17	0.23
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	2	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD11	10	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD12	10	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD13	10	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD11	10	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD12	10	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD13	10	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD11	10	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD12	10	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD13	10	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD11	18	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD12	18	0.23
(1,1381)	1:42:D:LEU:HD21	1:128:D:LEU:HD13	18	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD11	18	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD12	18	0.23
(1,1381)	1:42:D:LEU:HD22	1:128:D:LEU:HD13	18	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD11	18	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD12	18	0.23
(1,1381)	1:42:D:LEU:HD23	1:128:D:LEU:HD13	18	0.23
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	3	0.23
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	18	0.23
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	1	0.23
(1,1309)	1:17:D:TYR:HD1	1:81:D:GLY:H	16	0.23
(1,1309)	1:17:D:TYR:HD2	1:81:D:GLY:H	16	0.23
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	12	0.23
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	14	0.23
(1,1290)	1:11:D:PHE:HE1	1:102:D:CYS:H	9	0.23
(1,1290)	1:11:D:PHE:HE2	1:102:D:CYS:H	9	0.23
(1,1287)	1:11:D:PHE:HE1	1:85:D:SER:H	5	0.23
(1,1287)	1:11:D:PHE:HE2	1:85:D:SER:H	5	0.23
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	15	0.23
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	15	0.23
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	1	0.23
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	10	0.23
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	9	0.23
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	14	0.23
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	8	0.23
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	6	0.23
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	15	0.23
(1,1173)	1:90:C:GLU:H	1:94:C:MET:H	3	0.23
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	3	0.23
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	6	0.23
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	7	0.23
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	15	0.23
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	9	0.23
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD1	19	0.23
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD2	19	0.23
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	16	0.23
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	12	0.23
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	12	0.23
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	12	0.23
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	14	0.23
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	16	0.23
(1,952)	1:31:C:VAL:H	1:33:C:GLN:H	4	0.23
(1,916)	1:20:C:ASP:H	1:79:C:GLN:H	13	0.23
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	9	0.23
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	19	0.23
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	19	0.23
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	17	0.23
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	15	0.23
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	12	0.23
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	16	0.23
(1,836)	1:128:B:LEU:HD21	1:129:B:ALA:HB1	1	0.23
(1,836)	1:128:B:LEU:HD21	1:129:B:ALA:HB2	1	0.23
(1,836)	1:128:B:LEU:HD21	1:129:B:ALA:HB3	1	0.23
(1,836)	1:128:B:LEU:HD22	1:129:B:ALA:HB1	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:128:B:LEU:HD22	1:129:B:ALA:HB2	1	0.23
(1,836)	1:128:B:LEU:HD22	1:129:B:ALA:HB3	1	0.23
(1,836)	1:128:B:LEU:HD23	1:129:B:ALA:HB1	1	0.23
(1,836)	1:128:B:LEU:HD23	1:129:B:ALA:HB2	1	0.23
(1,836)	1:128:B:LEU:HD23	1:129:B:ALA:HB3	1	0.23
(1,814)	1:116:B:SER:H	1:117:B:MET:H	18	0.23
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	5	0.23
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	1	0.23
(1,784)	1:99:B:GLY:H	1:101:B:TYR:H	4	0.23
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	9	0.23
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	5	0.23
(1,752)	1:89:B:ILE:HD11	1:94:B:MET:H	4	0.23
(1,752)	1:89:B:ILE:HD12	1:94:B:MET:H	4	0.23
(1,752)	1:89:B:ILE:HD13	1:94:B:MET:H	4	0.23
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	4	0.23
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	4	0.23
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	4	0.23
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	11	0.23
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	8	0.23
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	8	0.23
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	13	0.23
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	5	0.23
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	8	0.23
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	20	0.23
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	3	0.23
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	14	0.23
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	5	0.23
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	6	0.23
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	7	0.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD11	9	0.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD12	9	0.23
(1,429)	1:138:A:MET:H	1:141:A:LEU:HD13	9	0.23
(1,409)	1:133:A:PHE:H	1:135:A:ALA:H	6	0.23
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	13	0.23
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	12	0.23
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	12	0.23
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	12	0.23
(1,331)	1:96:A:HIS:H	1:97:A:CYS:H	1	0.23
(1,317)	1:92:A:THR:H	1:94:A:MET:H	5	0.23
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	16	0.23
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	15	0.23
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:66:A:ALA:H	1:73:A:ALA:H	9	0.23
(1,195)	1:58:A:VAL:H	1:84:A:PHE:H	7	0.23
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	20	0.23
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	1	0.23
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	13	0.23
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	9	0.23
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	17	0.23
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	17	0.23
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	17	0.23
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	15	0.23
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	13	0.23
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	12	0.23
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	11	0.23
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	14	0.23
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	16	0.22
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	16	0.22
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	16	0.22
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	16	0.22
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	16	0.22
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	16	0.22
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	16	0.22
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	16	0.22
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	16	0.22
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD11	8	0.22
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD12	8	0.22
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD13	8	0.22
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD11	8	0.22
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD12	8	0.22
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD13	8	0.22
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD11	8	0.22
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD12	8	0.22
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD13	8	0.22
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	9	0.22
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	9	0.22
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	9	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	9	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	9	0.22
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	9	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	9	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	9	0.22
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	9	0.22
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	12	0.22
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	12	0.22
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	12	0.22
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	12	0.22
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	12	0.22
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	12	0.22
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	12	0.22
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	12	0.22
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	5	0.22
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	8	0.22
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	15	0.22
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	18	0.22
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	10	0.22
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	10	0.22
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	10	0.22
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	4	0.22
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	19	0.22
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	14	0.22
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	9	0.22
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	7	0.22
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	15	0.22
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD21	19	0.22
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD22	19	0.22
(1,1369)	1:40:D:VAL:HG11	1:42:D:LEU:HD23	19	0.22
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD21	19	0.22
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD22	19	0.22
(1,1369)	1:40:D:VAL:HG12	1:42:D:LEU:HD23	19	0.22
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD21	19	0.22
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD22	19	0.22
(1,1369)	1:40:D:VAL:HG13	1:42:D:LEU:HD23	19	0.22
(1,1355)	1:32:D:PHE:HD1	1:33:D:GLN:H	8	0.22
(1,1355)	1:32:D:PHE:HD2	1:33:D:GLN:H	8	0.22
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	5	0.22
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	16	0.22
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	17	0.22
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	17	0.22
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	17	0.22
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	17	0.22
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	17	0.22
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	17	0.22
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	14	0.22
(1,1284)	1:11:D:PHE:HD1	1:85:D:SER:H	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:11:D:PHE:HD2	1:85:D:SER:H	1	0.22
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	11	0.22
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	11	0.22
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	9	0.22
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	3	0.22
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	3	0.22
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	5	0.22
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	20	0.22
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE1	20	0.22
(1,1124)	1:73:C:ALA:HB1	1:123:C:PHE:HE2	20	0.22
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE1	20	0.22
(1,1124)	1:73:C:ALA:HB2	1:123:C:PHE:HE2	20	0.22
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE1	20	0.22
(1,1124)	1:73:C:ALA:HB3	1:123:C:PHE:HE2	20	0.22
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	10	0.22
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	19	0.22
(1,1066)	1:60:C:LEU:H	1:80:C:GLN:H	4	0.22
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	3	0.22
(1,1016)	1:49:C:SER:H	1:59:C:VAL:H	18	0.22
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	13	0.22
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	20	0.22
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	20	0.22
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	20	0.22
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	20	0.22
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	20	0.22
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	20	0.22
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	6	0.22
(1,868)	1:139:B:ASN:H	1:141:B:LEU:H	14	0.22
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	10	0.22
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	15	0.22
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	8	0.22
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD1	3	0.22
(1,837)	1:131:B:VAL:HG11	1:133:B:PHE:HD2	3	0.22
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD1	3	0.22
(1,837)	1:131:B:VAL:HG12	1:133:B:PHE:HD2	3	0.22
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD1	3	0.22
(1,837)	1:131:B:VAL:HG13	1:133:B:PHE:HD2	3	0.22
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	11	0.22
(1,789)	1:100:B:ALA:HB1	1:133:B:PHE:HD1	20	0.22
(1,789)	1:100:B:ALA:HB1	1:133:B:PHE:HD2	20	0.22
(1,789)	1:100:B:ALA:HB2	1:133:B:PHE:HD1	20	0.22
(1,789)	1:100:B:ALA:HB2	1:133:B:PHE:HD2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:100:B:ALA:HB3	1:133:B:PHE:HD1	20	0.22
(1,789)	1:100:B:ALA:HB3	1:133:B:PHE:HD2	20	0.22
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	13	0.22
(1,758)	1:92:B:THR:H	1:94:B:MET:H	8	0.22
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	6	0.22
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	6	0.22
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	6	0.22
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	6	0.22
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE1	6	0.22
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE2	6	0.22
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE1	6	0.22
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE2	6	0.22
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	17	0.22
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	19	0.22
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	17	0.22
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	6	0.22
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	7	0.22
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	8	0.22
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	14	0.22
(1,591)	1:50:B:GLN:H	1:57:B:GLU:H	1	0.22
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	2	0.22
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	17	0.22
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	4	0.22
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	4	0.22
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	4	0.22
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	4	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	3	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	3	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	3	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	6	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	6	0.22
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	6	0.22
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	4	0.22
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	13	0.22
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	14	0.22
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	15	0.22
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	8	0.22
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	11	0.22
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	13	0.22
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	13	0.22
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	1	0.22
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	18	0.22
(1,410)	1:133:A:PHE:H	1:136:A:LEU:H	18	0.22
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	5	0.22
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	20	0.22
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	10	0.22
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	7	0.22
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	7	0.22
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	7	0.22
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	2	0.22
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD21	12	0.22
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD22	12	0.22
(1,329)	1:95:A:ALA:H	1:98:A:LEU:HD23	12	0.22
(1,317)	1:92:A:THR:H	1:94:A:MET:H	19	0.22
(1,261)	1:69:A:GLY:H	1:71:A:GLU:H	5	0.22
(1,261)	1:69:A:GLY:H	1:71:A:GLU:H	13	0.22
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	2	0.22
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	7	0.22
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	8	0.22
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	11	0.22
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	15	0.22
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	17	0.22
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	11	0.22
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	13	0.22
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	17	0.22
(1,80)	1:28:A:ALA:H	1:31:A:VAL:H	16	0.22
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	15	0.22
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	15	0.22
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	15	0.22
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	4	0.22
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	8	0.21
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	8	0.21
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	8	0.21
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	8	0.21
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	8	0.21
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	8	0.21
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	8	0.21
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	8	0.21
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	8	0.21
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	20	0.21
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	20	0.21
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	20	0.21
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	20	0.21
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	20	0.21
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	20	0.21
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	20	0.21
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	20	0.21
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	20	0.21
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	20	0.21
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	20	0.21
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	20	0.21
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	20	0.21
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	20	0.21
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	20	0.21
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	20	0.21
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	20	0.21
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	3	0.21
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	3	0.21
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	3	0.21
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	3	0.21
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	3	0.21
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	3	0.21
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	3	0.21
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	3	0.21
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	3	0.21
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG21	1	0.21
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG22	1	0.21
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG23	1	0.21
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG21	1	0.21
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG22	1	0.21
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG23	1	0.21
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG21	1	0.21
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG22	1	0.21
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG23	1	0.21
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	7	0.21
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	7	0.21
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	7	0.21
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	7	0.21
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	7	0.21
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	7	0.21
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	7	0.21
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	7	0.21
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	7	0.21
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD21	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD22	10	0.21
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD23	10	0.21
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD21	10	0.21
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD22	10	0.21
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD23	10	0.21
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD21	10	0.21
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD22	10	0.21
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD23	10	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD11	6	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD12	6	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD13	6	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD11	6	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD12	6	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD13	6	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD11	6	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD12	6	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD13	6	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD11	15	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD12	15	0.21
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD13	15	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD11	15	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD12	15	0.21
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD13	15	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD11	15	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD12	15	0.21
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD13	15	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD11	2	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD12	2	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD13	2	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD21	2	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD22	2	0.21
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD23	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD11	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD12	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD13	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD21	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD22	2	0.21
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD23	2	0.21
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD11	2	0.21
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD12	2	0.21
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD13	2	0.21
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD21	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD22	2	0.21
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD23	2	0.21
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	15	0.21
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	15	0.21
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	15	0.21
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	15	0.21
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	15	0.21
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	15	0.21
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	15	0.21
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	15	0.21
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	15	0.21
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD21	2	0.21
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD22	2	0.21
(1,1665)	1:137:D:PHE:HD1	1:141:D:LEU:HD23	2	0.21
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD21	2	0.21
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD22	2	0.21
(1,1665)	1:137:D:PHE:HD2	1:141:D:LEU:HD23	2	0.21
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	10	0.21
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	20	0.21
(1,1571)	1:95:D:ALA:H	1:97:D:CYS:H	1	0.21
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	15	0.21
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	5	0.21
(1,1453)	1:60:D:LEU:H	1:82:D:GLY:H	8	0.21
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD21	2	0.21
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD22	2	0.21
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD23	2	0.21
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD21	2	0.21
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD22	2	0.21
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD23	2	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD21	2	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD22	2	0.21
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD23	2	0.21
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	5	0.21
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	11	0.21
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	18	0.21
(1,1283)	1:11:D:PHE:HD1	1:12:D:GLN:H	4	0.21
(1,1283)	1:11:D:PHE:HD2	1:12:D:GLN:H	4	0.21
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	3	0.21
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	3	0.21
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	16	0.21
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	16	0.21
(1,1190)	1:97:C:CYS:H	1:99:C:GLY:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD21	1	0.21
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD22	1	0.21
(1,1183)	1:94:C:MET:HE1	1:98:C:LEU:HD23	1	0.21
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD21	1	0.21
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD22	1	0.21
(1,1183)	1:94:C:MET:HE2	1:98:C:LEU:HD23	1	0.21
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD21	1	0.21
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD22	1	0.21
(1,1183)	1:94:C:MET:HE3	1:98:C:LEU:HD23	1	0.21
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	14	0.21
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	4	0.21
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	3	0.21
(1,1061)	1:59:C:VAL:HG11	1:81:C:GLY:H	17	0.21
(1,1061)	1:59:C:VAL:HG12	1:81:C:GLY:H	17	0.21
(1,1061)	1:59:C:VAL:HG13	1:81:C:GLY:H	17	0.21
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	16	0.21
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	18	0.21
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	18	0.21
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	18	0.21
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	18	0.21
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	5	0.21
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	5	0.21
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	10	0.21
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	12	0.21
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	10	0.21
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	17	0.21
(1,861)	1:137:B:PHE:H	1:140:B:TYR:H	6	0.21
(1,856)	1:136:B:LEU:HD21	1:137:B:PHE:H	3	0.21
(1,856)	1:136:B:LEU:HD22	1:137:B:PHE:H	3	0.21
(1,856)	1:136:B:LEU:HD23	1:137:B:PHE:H	3	0.21
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	1	0.21
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	8	0.21
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	3	0.21
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	15	0.21
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	20	0.21
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	12	0.21
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	2	0.21
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	7	0.21
(1,764)	1:94:B:MET:H	1:97:B:CYS:H	18	0.21
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD11	16	0.21
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD12	16	0.21
(1,745)	1:86:B:ILE:HD11	1:98:B:LEU:HD13	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD11	16	0.21
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD12	16	0.21
(1,745)	1:86:B:ILE:HD12	1:98:B:LEU:HD13	16	0.21
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD11	16	0.21
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD12	16	0.21
(1,745)	1:86:B:ILE:HD13	1:98:B:LEU:HD13	16	0.21
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	7	0.21
(1,643)	1:60:B:LEU:H	1:82:B:GLY:H	14	0.21
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	3	0.21
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	3	0.21
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	3	0.21
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	3	0.21
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	3	0.21
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	3	0.21
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	3	0.21
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	3	0.21
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	3	0.21
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	3	0.21
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	20	0.21
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	20	0.21
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	20	0.21
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	8	0.21
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	1	0.21
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	11	0.21
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	7	0.21
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	16	0.21
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	11	0.21
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	11	0.21
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	19	0.21
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	20	0.21
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	20	0.21
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	20	0.21
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	20	0.21
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	20	0.21
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	20	0.21
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	11	0.21
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	5	0.21
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	5	0.21
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	10	0.21
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	19	0.21
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	7	0.21
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	15	0.21
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	2	0.21
(1,262)	1:70:A:GLU:H	1:71:A:GLU:H	1	0.21
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	7	0.21
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	17	0.21
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	17	0.21
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	17	0.21
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	17	0.21
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	17	0.21
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	17	0.21
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	17	0.21
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	17	0.21
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	17	0.21
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	14	0.21
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	6	0.21
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	11	0.21
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	10	0.21
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	1	0.21
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	16	0.21
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	9	0.21
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD21	11	0.2
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD22	11	0.2
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD23	11	0.2
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD21	11	0.2
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD22	11	0.2
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD23	11	0.2
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD21	11	0.2
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD22	11	0.2
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD23	11	0.2
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	19	0.2
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	19	0.2
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	19	0.2
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	19	0.2
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	19	0.2
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	19	0.2
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	19	0.2
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	19	0.2
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	19	0.2
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE1	8	0.2
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE2	8	0.2
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE3	8	0.2
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE2	8	0.2
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE3	8	0.2
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE1	8	0.2
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE2	8	0.2
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE3	8	0.2
(1,1740)	1:131:D:VAL:HG11	2:207:G:VAL:HG21	5	0.2
(1,1740)	1:131:D:VAL:HG11	2:207:G:VAL:HG22	5	0.2
(1,1740)	1:131:D:VAL:HG11	2:207:G:VAL:HG23	5	0.2
(1,1740)	1:131:D:VAL:HG12	2:207:G:VAL:HG21	5	0.2
(1,1740)	1:131:D:VAL:HG12	2:207:G:VAL:HG22	5	0.2
(1,1740)	1:131:D:VAL:HG12	2:207:G:VAL:HG23	5	0.2
(1,1740)	1:131:D:VAL:HG13	2:207:G:VAL:HG21	5	0.2
(1,1740)	1:131:D:VAL:HG13	2:207:G:VAL:HG22	5	0.2
(1,1740)	1:131:D:VAL:HG13	2:207:G:VAL:HG23	5	0.2
(1,1739)	1:129:D:ALA:HB1	2:204:G:ILE:HD11	1	0.2
(1,1739)	1:129:D:ALA:HB1	2:204:G:ILE:HD12	1	0.2
(1,1739)	1:129:D:ALA:HB1	2:204:G:ILE:HD13	1	0.2
(1,1739)	1:129:D:ALA:HB2	2:204:G:ILE:HD11	1	0.2
(1,1739)	1:129:D:ALA:HB2	2:204:G:ILE:HD12	1	0.2
(1,1739)	1:129:D:ALA:HB2	2:204:G:ILE:HD13	1	0.2
(1,1739)	1:129:D:ALA:HB3	2:204:G:ILE:HD11	1	0.2
(1,1739)	1:129:D:ALA:HB3	2:204:G:ILE:HD12	1	0.2
(1,1739)	1:129:D:ALA:HB3	2:204:G:ILE:HD13	1	0.2
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	2	0.2
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	2	0.2
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	2	0.2
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	2	0.2
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	2	0.2
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	2	0.2
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	2	0.2
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	2	0.2
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	2	0.2
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	16	0.2
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	16	0.2
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	16	0.2
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	16	0.2
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	16	0.2
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	16	0.2
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	16	0.2
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	16	0.2
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	16	0.2
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD11	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD12	11	0.2
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD13	11	0.2
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD11	11	0.2
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD12	11	0.2
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD13	11	0.2
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD11	11	0.2
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD12	11	0.2
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD13	11	0.2
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	3	0.2
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	3	0.2
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	3	0.2
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	3	0.2
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	3	0.2
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	3	0.2
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	3	0.2
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	3	0.2
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	3	0.2
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD21	8	0.2
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD22	8	0.2
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD23	8	0.2
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD21	8	0.2
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD22	8	0.2
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD23	8	0.2
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD21	8	0.2
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD22	8	0.2
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD23	8	0.2
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD11	6	0.2
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD12	6	0.2
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD13	6	0.2
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD11	6	0.2
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD12	6	0.2
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD13	6	0.2
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD11	6	0.2
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD12	6	0.2
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD13	6	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD11	2	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD12	2	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD13	2	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD21	2	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD22	2	0.2
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD23	2	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD11	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD12	2	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD13	2	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD21	2	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD22	2	0.2
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD23	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD11	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD12	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD13	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD21	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD22	2	0.2
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD23	2	0.2
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	17	0.2
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	17	0.2
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	17	0.2
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	17	0.2
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	17	0.2
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	17	0.2
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	17	0.2
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	17	0.2
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	17	0.2
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	1	0.2
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	9	0.2
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	15	0.2
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	17	0.2
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	14	0.2
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	6	0.2
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	11	0.2
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	17	0.2
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	2	0.2
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	11	0.2
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	19	0.2
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	4	0.2
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	8	0.2
(1,1375)	1:40:D:VAL:HG21	1:126:D:LEU:HD21	3	0.2
(1,1375)	1:40:D:VAL:HG21	1:126:D:LEU:HD22	3	0.2
(1,1375)	1:40:D:VAL:HG21	1:126:D:LEU:HD23	3	0.2
(1,1375)	1:40:D:VAL:HG22	1:126:D:LEU:HD21	3	0.2
(1,1375)	1:40:D:VAL:HG22	1:126:D:LEU:HD22	3	0.2
(1,1375)	1:40:D:VAL:HG22	1:126:D:LEU:HD23	3	0.2
(1,1375)	1:40:D:VAL:HG23	1:126:D:LEU:HD21	3	0.2
(1,1375)	1:40:D:VAL:HG23	1:126:D:LEU:HD22	3	0.2
(1,1375)	1:40:D:VAL:HG23	1:126:D:LEU:HD23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:40:D:VAL:HG11	1:41:D:LYS:H	19	0.2
(1,1367)	1:40:D:VAL:HG12	1:41:D:LYS:H	19	0.2
(1,1367)	1:40:D:VAL:HG13	1:41:D:LYS:H	19	0.2
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	18	0.2
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	7	0.2
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	10	0.2
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	10	0.2
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	3	0.2
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	4	0.2
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	11	0.2
(1,1222)	1:115:C:THR:H	1:126:C:LEU:H	18	0.2
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	5	0.2
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	17	0.2
(1,1199)	1:101:C:TYR:H	1:102:C:CYS:H	8	0.2
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	20	0.2
(1,1189)	1:97:C:CYS:H	1:98:C:LEU:H	10	0.2
(1,1138)	1:77:C:GLU:H	1:78:C:VAL:H	14	0.2
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	12	0.2
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	16	0.2
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	11	0.2
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	6	0.2
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	6	0.2
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	6	0.2
(1,989)	1:42:C:LEU:HD11	1:43:C:ASP:H	19	0.2
(1,989)	1:42:C:LEU:HD12	1:43:C:ASP:H	19	0.2
(1,989)	1:42:C:LEU:HD13	1:43:C:ASP:H	19	0.2
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	2	0.2
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	2	0.2
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	2	0.2
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	17	0.2
(1,967)	1:36:C:TRP:H	1:37:C:GLN:H	10	0.2
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	2	0.2
(1,914)	1:19:C:LYS:H	1:81:C:GLY:H	17	0.2
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	19	0.2
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	19	0.2
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	19	0.2
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	19	0.2
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	19	0.2
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	19	0.2
(1,891)	1:14:C:GLN:H	1:15:C:ARG:H	8	0.2
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	5	0.2
(1,871)	1:9:C:MET:H	1:10:C:THR:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	18	0.2
(1,852)	1:135:B:ALA:HB1	1:13:D:ILE:H	8	0.2
(1,852)	1:135:B:ALA:HB2	1:13:D:ILE:H	8	0.2
(1,852)	1:135:B:ALA:HB3	1:13:D:ILE:H	8	0.2
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	11	0.2
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	20	0.2
(1,831)	1:125:B:GLN:H	1:125:C:GLN:H	9	0.2
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	12	0.2
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	10	0.2
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	3	0.2
(1,784)	1:99:B:GLY:H	1:101:B:TYR:H	16	0.2
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	10	0.2
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	12	0.2
(1,778)	1:98:B:LEU:H	1:99:B:GLY:H	9	0.2
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	8	0.2
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	7	0.2
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	12	0.2
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	19	0.2
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	20	0.2
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	9	0.2
(1,691)	1:66:B:ALA:HB1	1:74:B:PHE:HE1	18	0.2
(1,691)	1:66:B:ALA:HB1	1:74:B:PHE:HE2	18	0.2
(1,691)	1:66:B:ALA:HB2	1:74:B:PHE:HE1	18	0.2
(1,691)	1:66:B:ALA:HB2	1:74:B:PHE:HE2	18	0.2
(1,691)	1:66:B:ALA:HB3	1:74:B:PHE:HE1	18	0.2
(1,691)	1:66:B:ALA:HB3	1:74:B:PHE:HE2	18	0.2
(1,689)	1:66:B:ALA:HB1	1:74:B:PHE:H	18	0.2
(1,689)	1:66:B:ALA:HB2	1:74:B:PHE:H	18	0.2
(1,689)	1:66:B:ALA:HB3	1:74:B:PHE:H	18	0.2
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	16	0.2
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	15	0.2
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	18	0.2
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	12	0.2
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	12	0.2
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	12	0.2
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	12	0.2
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	12	0.2
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	12	0.2
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	12	0.2
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	12	0.2
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	12	0.2
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	18	0.2
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	17	0.2
(1,584)	1:48:B:SER:H	1:59:B:VAL:H	10	0.2
(1,584)	1:48:B:SER:H	1:59:B:VAL:H	14	0.2
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	4	0.2
(1,577)	1:46:B:THR:H	1:61:B:ARG:H	1	0.2
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	16	0.2
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	16	0.2
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	16	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	16	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	16	0.2
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	16	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	16	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	16	0.2
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	16	0.2
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	3	0.2
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	10	0.2
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	18	0.2
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	15	0.2
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	16	0.2
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	6	0.2
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	6	0.2
(1,423)	1:137:A:PHE:H	1:140:A:TYR:H	1	0.2
(1,423)	1:137:A:PHE:H	1:140:A:TYR:H	17	0.2
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	2	0.2
(1,346)	1:99:A:GLY:H	1:102:A:CYS:H	5	0.2
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	3	0.2
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	20	0.2
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	17	0.2
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	4	0.2
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	7	0.2
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	15	0.2
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	12	0.2
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	19	0.2
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	10	0.2
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	14	0.2
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	6	0.2
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	19	0.2
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD11	3	0.2
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD12	3	0.2
(1,141)	1:43:A:ASP:H	1:128:A:LEU:HD13	3	0.2
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	8	0.2
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	16	0.2
(1,116)	1:39:A:GLU:H	1:40:A:VAL:H	17	0.2
(1,107)	1:36:A:TRP:HE3	1:68:A:LEU:HD21	6	0.2
(1,107)	1:36:A:TRP:HE3	1:68:A:LEU:HD22	6	0.2
(1,107)	1:36:A:TRP:HE3	1:68:A:LEU:HD23	6	0.2
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	4	0.2
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	15	0.2
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	7	0.2
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	7	0.2
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	8	0.2
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	19	0.2
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	15	0.19
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	15	0.19
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	15	0.19
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	15	0.19
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	15	0.19
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	15	0.19
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	15	0.19
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	15	0.19
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	15	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD11	10	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD12	10	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD13	10	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD21	10	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD22	10	0.19
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD23	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD11	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD12	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD13	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD21	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD22	10	0.19
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD23	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD11	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD12	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD13	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD21	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD22	10	0.19
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD23	10	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	2	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	2	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	2	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	2	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	2	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	2	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	2	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	2	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	3	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	3	0.19
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	3	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	3	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	3	0.19
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	3	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	3	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	3	0.19
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	3	0.19
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG11	17	0.19
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG12	17	0.19
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG13	17	0.19
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG11	17	0.19
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG12	17	0.19
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG13	17	0.19
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG11	17	0.19
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG12	17	0.19
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG13	17	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	3	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	3	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	3	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	3	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	3	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	3	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	3	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	3	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	3	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	5	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	5	0.19
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	5	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	5	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	5	0.19
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	5	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	5	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	5	0.19
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	3	0.19
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	3	0.19
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	3	0.19
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	3	0.19
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	3	0.19
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	3	0.19
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	3	0.19
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	3	0.19
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	3	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	11	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	11	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	11	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	18	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	18	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	18	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	18	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	18	0.19
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	18	0.19
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	18	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	18	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	18	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	18	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	18	0.19
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	18	0.19
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD11	19	0.19
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD12	19	0.19
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD13	19	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD11	19	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD12	19	0.19
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD13	19	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD11	19	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD12	19	0.19
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD13	19	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	4	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	4	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	4	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	4	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	4	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	4	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	4	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	4	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	4	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	14	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	14	0.19
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	14	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	14	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	14	0.19
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	14	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	14	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	14	0.19
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	14	0.19
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	10	0.19
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	10	0.19
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	10	0.19
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	10	0.19
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	10	0.19
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	10	0.19
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	10	0.19
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	10	0.19
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	10	0.19
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	3	0.19
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	3	0.19
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	3	0.19
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	3	0.19
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	3	0.19
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	3	0.19
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	3	0.19
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	3	0.19
(1,1670)	1:139:D:ASN:H	1:140:D:TYR:H	15	0.19
(1,1659)	1:136:D:LEU:H	1:139:D:ASN:H	17	0.19
(1,1654)	1:135:D:ALA:H	1:137:D:PHE:H	11	0.19
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	1	0.19
(1,1651)	1:134:D:ASP:H	1:136:D:LEU:H	3	0.19
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	9	0.19
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	7	0.19
(1,1636)	1:121:D:GLY:H	1:123:D:PHE:H	1	0.19
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	17	0.19
(1,1576)	1:96:D:HIS:H	1:98:D:LEU:H	12	0.19
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	2	0.19
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	2	0.19
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	2	0.19
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	6	0.19
(1,1472)	1:64:D:VAL:H	1:65:D:THR:H	13	0.19
(1,1413)	1:51:D:LEU:H	1:55:D:VAL:H	14	0.19
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	16	0.19
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	10	0.19
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	11	0.19
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	5	0.19
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	19	0.19
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	15	0.19
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	15	0.19
(1,1264)	1:136:C:LEU:H	1:139:C:ASN:H	3	0.19
(1,1264)	1:136:C:LEU:H	1:139:C:ASN:H	11	0.19
(1,1256)	1:134:C:ASP:H	1:135:C:ALA:H	11	0.19
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	3	0.19
(1,1253)	1:133:C:PHE:H	1:134:C:ASP:H	15	0.19
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	6	0.19
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	2	0.19
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	6	0.19
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	12	0.19
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	20	0.19
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	5	0.19
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	11	0.19
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	3	0.19
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG21	4	0.19
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG22	4	0.19
(1,1071)	1:60:C:LEU:HD21	1:62:C:VAL:HG23	4	0.19
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG21	4	0.19
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG22	4	0.19
(1,1071)	1:60:C:LEU:HD22	1:62:C:VAL:HG23	4	0.19
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG21	4	0.19
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG22	4	0.19
(1,1071)	1:60:C:LEU:HD23	1:62:C:VAL:HG23	4	0.19
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	2	0.19
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	2	0.19
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	2	0.19
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	2	0.19
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	2	0.19
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	2	0.19
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	4	0.19
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	12	0.19
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	7	0.19
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD11	18	0.19
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD12	18	0.19
(1,977)	1:40:C:VAL:HG11	1:128:C:LEU:HD13	18	0.19
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD11	18	0.19
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD12	18	0.19
(1,977)	1:40:C:VAL:HG12	1:128:C:LEU:HD13	18	0.19
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD11	18	0.19
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD12	18	0.19
(1,977)	1:40:C:VAL:HG13	1:128:C:LEU:HD13	18	0.19
(1,972)	1:39:C:GLU:H	1:69:C:GLY:H	2	0.19
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	2	0.19
(1,954)	1:31:C:VAL:HG11	1:36:C:TRP:HE1	11	0.19
(1,954)	1:31:C:VAL:HG12	1:36:C:TRP:HE1	11	0.19
(1,954)	1:31:C:VAL:HG13	1:36:C:TRP:HE1	11	0.19
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	6	0.19
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	16	0.19
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	20	0.19
(1,843)	1:133:B:PHE:H	1:136:B:LEU:H	9	0.19
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	8	0.19
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	15	0.19
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	1	0.19
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	1	0.19
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	20	0.19
(1,747)	1:87:B:ALA:H	1:89:B:ILE:H	5	0.19
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	20	0.19
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	7	0.19
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	2	0.19
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE1	1	0.19
(1,570)	1:44:B:LEU:HD21	1:133:B:PHE:HE2	1	0.19
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE1	1	0.19
(1,570)	1:44:B:LEU:HD22	1:133:B:PHE:HE2	1	0.19
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE1	1	0.19
(1,570)	1:44:B:LEU:HD23	1:133:B:PHE:HE2	1	0.19
(1,560)	1:43:B:ASP:H	1:64:B:VAL:H	18	0.19
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	1	0.19
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD11	12	0.19
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD12	12	0.19
(1,550)	1:42:B:LEU:HD11	1:128:B:LEU:HD13	12	0.19
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD11	12	0.19
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD12	12	0.19
(1,550)	1:42:B:LEU:HD12	1:128:B:LEU:HD13	12	0.19
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD11	12	0.19
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD12	12	0.19
(1,550)	1:42:B:LEU:HD13	1:128:B:LEU:HD13	12	0.19
(1,538)	1:41:B:LYS:H	1:65:B:THR:H	10	0.19
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	12	0.19
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	3	0.19
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	12	0.19
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	10	0.19
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	11	0.19
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	11	0.19
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	11	0.19
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	20	0.19
(1,395)	1:122:A:THR:H	1:18:B:THR:H	3	0.19
(1,395)	1:122:A:THR:H	1:18:B:THR:H	6	0.19
(1,395)	1:122:A:THR:H	1:18:B:THR:H	18	0.19
(1,359)	1:110:A:ALA:H	1:112:A:GLU:H	20	0.19
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	2	0.19
(1,342)	1:98:A:LEU:HD11	1:99:A:GLY:H	2	0.19
(1,342)	1:98:A:LEU:HD12	1:99:A:GLY:H	2	0.19
(1,342)	1:98:A:LEU:HD13	1:99:A:GLY:H	2	0.19
(1,340)	1:98:A:LEU:H	1:101:A:TYR:H	17	0.19
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	8	0.19
(1,317)	1:92:A:THR:H	1:94:A:MET:H	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD11	19	0.19
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD12	19	0.19
(1,306)	1:87:A:ALA:H	1:89:A:ILE:HD13	19	0.19
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	13	0.19
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	19	0.19
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	14	0.19
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	19	0.19
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	19	0.19
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	19	0.19
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	19	0.19
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	19	0.19
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	19	0.19
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	19	0.19
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	19	0.19
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	19	0.19
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	1	0.19
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	7	0.19
(1,209)	1:60:A:LEU:H	1:82:A:GLY:H	12	0.19
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	14	0.19
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	2	0.19
(1,93)	1:31:A:VAL:HG21	1:36:A:TRP:HE3	1	0.19
(1,93)	1:31:A:VAL:HG22	1:36:A:TRP:HE3	1	0.19
(1,93)	1:31:A:VAL:HG23	1:36:A:TRP:HE3	1	0.19
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	1	0.19
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	19	0.19
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	5	0.19
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	5	0.19
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	6	0.19
(1,1762)	1:131:A:VAL:HG11	2:207:H:VAL:HG21	12	0.18
(1,1762)	1:131:A:VAL:HG11	2:207:H:VAL:HG22	12	0.18
(1,1762)	1:131:A:VAL:HG11	2:207:H:VAL:HG23	12	0.18
(1,1762)	1:131:A:VAL:HG12	2:207:H:VAL:HG21	12	0.18
(1,1762)	1:131:A:VAL:HG12	2:207:H:VAL:HG22	12	0.18
(1,1762)	1:131:A:VAL:HG12	2:207:H:VAL:HG23	12	0.18
(1,1762)	1:131:A:VAL:HG13	2:207:H:VAL:HG21	12	0.18
(1,1762)	1:131:A:VAL:HG13	2:207:H:VAL:HG22	12	0.18
(1,1762)	1:131:A:VAL:HG13	2:207:H:VAL:HG23	12	0.18
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	17	0.18
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	17	0.18
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	17	0.18
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	17	0.18
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	17	0.18
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	17	0.18
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	17	0.18
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	17	0.18
(1,1737)	1:56:A:TYR:HE1	2:174:G:MET:HE1	19	0.18
(1,1737)	1:56:A:TYR:HE1	2:174:G:MET:HE2	19	0.18
(1,1737)	1:56:A:TYR:HE1	2:174:G:MET:HE3	19	0.18
(1,1737)	1:56:A:TYR:HE2	2:174:G:MET:HE1	19	0.18
(1,1737)	1:56:A:TYR:HE2	2:174:G:MET:HE2	19	0.18
(1,1737)	1:56:A:TYR:HE2	2:174:G:MET:HE3	19	0.18
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	15	0.18
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	15	0.18
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	15	0.18
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	15	0.18
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	15	0.18
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	15	0.18
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	15	0.18
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	15	0.18
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	15	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	2	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	2	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	2	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	13	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	13	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	13	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	13	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	13	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	13	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	13	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	20	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	20	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	20	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	20	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	20	0.18
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	20	0.18
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	20	0.18
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	20	0.18
(1,1702)	1:94:B:MET:HE1	2:174:F:MET:HE1	17	0.18
(1,1702)	1:94:B:MET:HE1	2:174:F:MET:HE2	17	0.18
(1,1702)	1:94:B:MET:HE1	2:174:F:MET:HE3	17	0.18
(1,1702)	1:94:B:MET:HE2	2:174:F:MET:HE1	17	0.18
(1,1702)	1:94:B:MET:HE2	2:174:F:MET:HE2	17	0.18
(1,1702)	1:94:B:MET:HE2	2:174:F:MET:HE3	17	0.18
(1,1702)	1:94:B:MET:HE3	2:174:F:MET:HE1	17	0.18
(1,1702)	1:94:B:MET:HE3	2:174:F:MET:HE2	17	0.18
(1,1702)	1:94:B:MET:HE3	2:174:F:MET:HE3	17	0.18
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	16	0.18
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	16	0.18
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	16	0.18
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	16	0.18
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	16	0.18
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	16	0.18
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	16	0.18
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	16	0.18
(1,1689)	1:98:C:LEU:HD21	2:177:E:LEU:HD11	2	0.18
(1,1689)	1:98:C:LEU:HD21	2:177:E:LEU:HD12	2	0.18
(1,1689)	1:98:C:LEU:HD21	2:177:E:LEU:HD13	2	0.18
(1,1689)	1:98:C:LEU:HD22	2:177:E:LEU:HD11	2	0.18
(1,1689)	1:98:C:LEU:HD22	2:177:E:LEU:HD12	2	0.18
(1,1689)	1:98:C:LEU:HD22	2:177:E:LEU:HD13	2	0.18
(1,1689)	1:98:C:LEU:HD23	2:177:E:LEU:HD11	2	0.18
(1,1689)	1:98:C:LEU:HD23	2:177:E:LEU:HD12	2	0.18
(1,1689)	1:98:C:LEU:HD23	2:177:E:LEU:HD13	2	0.18
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB1	18	0.18
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB2	18	0.18
(1,1687)	1:126:C:LEU:HD11	2:189:E:ALA:HB3	18	0.18
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB1	18	0.18
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB2	18	0.18
(1,1687)	1:126:C:LEU:HD12	2:189:E:ALA:HB3	18	0.18
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB1	18	0.18
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB2	18	0.18
(1,1687)	1:126:C:LEU:HD13	2:189:E:ALA:HB3	18	0.18
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE1	19	0.18
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE2	19	0.18
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE3	19	0.18
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE1	19	0.18
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE2	19	0.18
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE3	19	0.18
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE1	19	0.18
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE2	19	0.18
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE3	19	0.18
(1,1670)	1:139:D:ASN:H	1:140:D:TYR:H	3	0.18
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	9	0.18
(1,1654)	1:135:D:ALA:H	1:137:D:PHE:H	13	0.18
(1,1651)	1:134:D:ASP:H	1:136:D:LEU:H	19	0.18
(1,1646)	1:133:D:PHE:H	1:134:D:ASP:H	17	0.18
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	10	0.18
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	5	0.18
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	18	0.18
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	18	0.18
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	11	0.18
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	1	0.18
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	16	0.18
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	16	0.18
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	16	0.18
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD21	19	0.18
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD22	19	0.18
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD23	19	0.18
(1,1457)	1:60:D:LEU:HD11	1:111:D:ARG:H	16	0.18
(1,1457)	1:60:D:LEU:HD12	1:111:D:ARG:H	16	0.18
(1,1457)	1:60:D:LEU:HD13	1:111:D:ARG:H	16	0.18
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	15	0.18
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	8	0.18
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	13	0.18
(1,1397)	1:47:D:ALA:H	1:59:D:VAL:H	4	0.18
(1,1385)	1:43:D:ASP:H	1:63:D:THR:H	2	0.18
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	16	0.18
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG11	7	0.18
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG12	7	0.18
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG13	7	0.18
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG11	7	0.18
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG12	7	0.18
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG13	7	0.18
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG11	7	0.18
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG12	7	0.18
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG13	7	0.18
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	9	0.18
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	13	0.18
(1,1327)	1:23:D:PHE:HD1	1:24:D:GLU:H	17	0.18
(1,1327)	1:23:D:PHE:HD2	1:24:D:GLU:H	17	0.18
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	12	0.18
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	20	0.18
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	11	0.18
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	15	0.18
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	13	0.18
(1,1215)	1:113:C:CYS:H	1:115:C:THR:H	13	0.18
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	1	0.18
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	2	0.18
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	10	0.18
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:86:C:ILE:HD11	1:87:C:ALA:H	8	0.18
(1,1159)	1:86:C:ILE:HD12	1:87:C:ALA:H	8	0.18
(1,1159)	1:86:C:ILE:HD13	1:87:C:ALA:H	8	0.18
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	5	0.18
(1,1000)	1:44:C:LEU:HD21	1:45:C:ASP:H	9	0.18
(1,1000)	1:44:C:LEU:HD22	1:45:C:ASP:H	9	0.18
(1,1000)	1:44:C:LEU:HD23	1:45:C:ASP:H	9	0.18
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	17	0.18
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	17	0.18
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	17	0.18
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	17	0.18
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	17	0.18
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	17	0.18
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	17	0.18
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	17	0.18
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	17	0.18
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	1	0.18
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	17	0.18
(1,878)	1:11:C:PHE:HE1	1:12:C:GLN:H	11	0.18
(1,878)	1:11:C:PHE:HE2	1:12:C:GLN:H	11	0.18
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	1	0.18
(1,860)	1:137:B:PHE:H	1:139:B:ASN:H	12	0.18
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	5	0.18
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	6	0.18
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	13	0.18
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	19	0.18
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	10	0.18
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	3	0.18
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	16	0.18
(1,794)	1:109:B:TYR:H	1:111:B:ARG:H	3	0.18
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	20	0.18
(1,781)	1:98:B:LEU:H	1:102:B:CYS:H	5	0.18
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	15	0.18
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	6	0.18
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	13	0.18
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	14	0.18
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD21	9	0.18
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD22	9	0.18
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD23	9	0.18
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD21	9	0.18
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD22	9	0.18
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD23	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD21	9	0.18
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD22	9	0.18
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD23	9	0.18
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	13	0.18
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	14	0.18
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	18	0.18
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	16	0.18
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	20	0.18
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	10	0.18
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	12	0.18
(1,556)	1:42:B:LEU:HD21	1:129:B:ALA:H	16	0.18
(1,556)	1:42:B:LEU:HD22	1:129:B:ALA:H	16	0.18
(1,556)	1:42:B:LEU:HD23	1:129:B:ALA:H	16	0.18
(1,553)	1:42:B:LEU:HD21	1:128:B:LEU:H	8	0.18
(1,553)	1:42:B:LEU:HD22	1:128:B:LEU:H	8	0.18
(1,553)	1:42:B:LEU:HD23	1:128:B:LEU:H	8	0.18
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE1	7	0.18
(1,533)	1:40:B:VAL:HG11	1:74:B:PHE:HE2	7	0.18
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE1	7	0.18
(1,533)	1:40:B:VAL:HG12	1:74:B:PHE:HE2	7	0.18
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE1	7	0.18
(1,533)	1:40:B:VAL:HG13	1:74:B:PHE:HE2	7	0.18
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	2	0.18
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	13	0.18
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	3	0.18
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	3	0.18
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	8	0.18
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	8	0.18
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD11	4	0.18
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD12	4	0.18
(1,425)	1:137:A:PHE:HD1	1:141:A:LEU:HD13	4	0.18
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD11	4	0.18
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD12	4	0.18
(1,425)	1:137:A:PHE:HD2	1:141:A:LEU:HD13	4	0.18
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	7	0.18
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	4	0.18
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	4	0.18
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	20	0.18
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	5	0.18
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	4	0.18
(1,332)	1:96:A:HIS:H	1:98:A:LEU:H	5	0.18
(1,331)	1:96:A:HIS:H	1:97:A:CYS:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:92:A:THR:H	1:94:A:MET:H	18	0.18
(1,316)	1:92:A:THR:H	1:93:A:GLN:H	19	0.18
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	4	0.18
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	13	0.18
(1,262)	1:70:A:GLU:H	1:71:A:GLU:H	16	0.18
(1,260)	1:69:A:GLY:H	1:70:A:GLU:H	7	0.18
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	18	0.18
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD21	14	0.18
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD22	14	0.18
(1,249)	1:66:A:ALA:HB1	1:126:A:LEU:HD23	14	0.18
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD21	14	0.18
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD22	14	0.18
(1,249)	1:66:A:ALA:HB2	1:126:A:LEU:HD23	14	0.18
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD21	14	0.18
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD22	14	0.18
(1,249)	1:66:A:ALA:HB3	1:126:A:LEU:HD23	14	0.18
(1,238)	1:66:A:ALA:H	1:67:A:SER:H	18	0.18
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	2	0.18
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	18	0.18
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	4	0.18
(1,116)	1:39:A:GLU:H	1:40:A:VAL:H	10	0.18
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	4	0.18
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	20	0.18
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	5	0.18
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	5	0.18
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	9	0.18
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	9	0.18
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	7	0.18
(1,9)	1:11:A:PHE:HE1	1:12:A:GLN:H	1	0.18
(1,9)	1:11:A:PHE:HE2	1:12:A:GLN:H	1	0.18
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG11	5	0.17
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG12	5	0.17
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG13	5	0.17
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG11	5	0.17
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG12	5	0.17
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG13	5	0.17
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG11	5	0.17
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG12	5	0.17
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG13	5	0.17
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	16	0.17
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	16	0.17
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	16	0.17
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	16	0.17
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	16	0.17
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	16	0.17
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	16	0.17
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	16	0.17
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD11	3	0.17
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD12	3	0.17
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD13	3	0.17
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD11	3	0.17
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD12	3	0.17
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD13	3	0.17
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD11	3	0.17
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD12	3	0.17
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD13	3	0.17
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	6	0.17
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	6	0.17
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	6	0.17
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	6	0.17
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	6	0.17
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	6	0.17
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	6	0.17
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	6	0.17
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	6	0.17
(1,1734)	1:40:A:VAL:HG21	2:189:G:ALA:HB1	4	0.17
(1,1734)	1:40:A:VAL:HG21	2:189:G:ALA:HB2	4	0.17
(1,1734)	1:40:A:VAL:HG21	2:189:G:ALA:HB3	4	0.17
(1,1734)	1:40:A:VAL:HG22	2:189:G:ALA:HB1	4	0.17
(1,1734)	1:40:A:VAL:HG22	2:189:G:ALA:HB2	4	0.17
(1,1734)	1:40:A:VAL:HG22	2:189:G:ALA:HB3	4	0.17
(1,1734)	1:40:A:VAL:HG23	2:189:G:ALA:HB1	4	0.17
(1,1734)	1:40:A:VAL:HG23	2:189:G:ALA:HB2	4	0.17
(1,1734)	1:40:A:VAL:HG23	2:189:G:ALA:HB3	4	0.17
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	8	0.17
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	8	0.17
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	8	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	8	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	8	0.17
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	8	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	8	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	8	0.17
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	3	0.17
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	3	0.17
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	3	0.17
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	3	0.17
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	3	0.17
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	3	0.17
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	3	0.17
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	3	0.17
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	3	0.17
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB1	17	0.17
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB2	17	0.17
(1,1723)	1:89:A:ILE:HD11	2:172:G:ALA:HB3	17	0.17
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB1	17	0.17
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB2	17	0.17
(1,1723)	1:89:A:ILE:HD12	2:172:G:ALA:HB3	17	0.17
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB1	17	0.17
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB2	17	0.17
(1,1723)	1:89:A:ILE:HD13	2:172:G:ALA:HB3	17	0.17
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	12	0.17
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	12	0.17
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	12	0.17
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	12	0.17
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	12	0.17
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	12	0.17
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	12	0.17
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	12	0.17
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	12	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE1	7	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE2	7	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE3	7	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE1	7	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE2	7	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE3	7	0.17
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE1	7	0.17
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE2	7	0.17
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE3	7	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE1	8	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE2	8	0.17
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE3	8	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE1	8	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE2	8	0.17
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE1	8	0.17
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE2	8	0.17
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE3	8	0.17
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	1	0.17
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	1	0.17
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	1	0.17
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	1	0.17
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	1	0.17
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	1	0.17
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	1	0.17
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	1	0.17
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	1	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	4	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	4	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	4	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	4	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	4	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	4	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	4	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	4	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	4	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	16	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	16	0.17
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	16	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	16	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	16	0.17
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	16	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	16	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	16	0.17
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	16	0.17
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	8	0.17
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	8	0.17
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	8	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	8	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	8	0.17
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	8	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	8	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	8	0.17
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	8	0.17
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB1	2	0.17
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB2	2	0.17
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB1	2	0.17
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB2	2	0.17
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB3	2	0.17
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB1	2	0.17
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB2	2	0.17
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB3	2	0.17
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD11	7	0.17
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD12	7	0.17
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD13	7	0.17
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD11	7	0.17
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD12	7	0.17
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD13	7	0.17
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD11	7	0.17
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD12	7	0.17
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD13	7	0.17
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	10	0.17
(1,1654)	1:135:D:ALA:H	1:137:D:PHE:H	1	0.17
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	6	0.17
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	10	0.17
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	4	0.17
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	15	0.17
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	11	0.17
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	13	0.17
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	12	0.17
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	1	0.17
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	5	0.17
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	14	0.17
(1,1562)	1:92:D:THR:H	1:93:D:GLN:H	12	0.17
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE1	3	0.17
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE2	3	0.17
(1,1557)	1:89:D:ILE:HD11	1:94:D:MET:HE3	3	0.17
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE1	3	0.17
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE2	3	0.17
(1,1557)	1:89:D:ILE:HD12	1:94:D:MET:HE3	3	0.17
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE1	3	0.17
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE2	3	0.17
(1,1557)	1:89:D:ILE:HD13	1:94:D:MET:HE3	3	0.17
(1,1556)	1:89:D:ILE:HD11	1:94:D:MET:H	16	0.17
(1,1556)	1:89:D:ILE:HD12	1:94:D:MET:H	16	0.17
(1,1556)	1:89:D:ILE:HD13	1:94:D:MET:H	16	0.17
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	8	0.17
(1,1544)	1:86:D:ILE:HD11	1:87:D:ALA:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:86:D:ILE:HD12	1:87:D:ALA:H	12	0.17
(1,1544)	1:86:D:ILE:HD13	1:87:D:ALA:H	12	0.17
(1,1469)	1:62:D:VAL:HG11	1:128:D:LEU:HD11	15	0.17
(1,1469)	1:62:D:VAL:HG11	1:128:D:LEU:HD12	15	0.17
(1,1469)	1:62:D:VAL:HG11	1:128:D:LEU:HD13	15	0.17
(1,1469)	1:62:D:VAL:HG12	1:128:D:LEU:HD11	15	0.17
(1,1469)	1:62:D:VAL:HG12	1:128:D:LEU:HD12	15	0.17
(1,1469)	1:62:D:VAL:HG12	1:128:D:LEU:HD13	15	0.17
(1,1469)	1:62:D:VAL:HG13	1:128:D:LEU:HD11	15	0.17
(1,1469)	1:62:D:VAL:HG13	1:128:D:LEU:HD12	15	0.17
(1,1469)	1:62:D:VAL:HG13	1:128:D:LEU:HD13	15	0.17
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	10	0.17
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	10	0.17
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	10	0.17
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	10	0.17
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	10	0.17
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	10	0.17
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	10	0.17
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	10	0.17
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	10	0.17
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	1	0.17
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	2	0.17
(1,1434)	1:56:D:TYR:H	1:86:D:ILE:H	9	0.17
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	2	0.17
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	10	0.17
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	10	0.17
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD1	18	0.17
(1,1405)	1:49:D:SER:H	1:56:D:TYR:HD2	18	0.17
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	4	0.17
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	15	0.17
(1,1393)	1:45:D:ASP:H	1:61:D:ARG:H	5	0.17
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	5	0.17
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	17	0.17
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	12	0.17
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	3	0.17
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	20	0.17
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	10	0.17
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	7	0.17
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	8	0.17
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	6	0.17
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	4	0.17
(1,1085)	1:64:C:VAL:H	1:78:C:VAL:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	3	0.17
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	3	0.17
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	3	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	3	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	3	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	3	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	3	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	3	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	3	0.17
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	15	0.17
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	15	0.17
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	15	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	15	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	15	0.17
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	15	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	15	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	15	0.17
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	15	0.17
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	7	0.17
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	10	0.17
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	18	0.17
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	12	0.17
(1,952)	1:31:C:VAL:H	1:33:C:GLN:H	15	0.17
(1,928)	1:22:C:SER:H	1:79:C:GLN:H	16	0.17
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	6	0.17
(1,861)	1:137:B:PHE:H	1:140:B:TYR:H	9	0.17
(1,860)	1:137:B:PHE:H	1:139:B:ASN:H	8	0.17
(1,860)	1:137:B:PHE:H	1:139:B:ASN:H	10	0.17
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	1	0.17
(1,814)	1:116:B:SER:H	1:117:B:MET:H	3	0.17
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	18	0.17
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	20	0.17
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	20	0.17
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	20	0.17
(1,670)	1:64:B:VAL:HG11	1:76:B:CYS:H	5	0.17
(1,670)	1:64:B:VAL:HG12	1:76:B:CYS:H	5	0.17
(1,670)	1:64:B:VAL:HG13	1:76:B:CYS:H	5	0.17
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	9	0.17
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	12	0.17
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	13	0.17
(1,595)	1:51:B:LEU:H	1:56:B:TYR:H	3	0.17
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:42:B:LEU:HD21	1:129:B:ALA:H	15	0.17
(1,556)	1:42:B:LEU:HD22	1:129:B:ALA:H	15	0.17
(1,556)	1:42:B:LEU:HD23	1:129:B:ALA:H	15	0.17
(1,520)	1:34:B:LYS:H	1:35:B:ASP:H	8	0.17
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	1	0.17
(1,439)	1:10:B:THR:H	1:11:B:PHE:H	16	0.17
(1,435)	1:9:B:MET:H	1:89:B:ILE:H	13	0.17
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	18	0.17
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	17	0.17
(1,348)	1:100:A:ALA:H	1:102:A:CYS:H	9	0.17
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	17	0.17
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	15	0.17
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	17	0.17
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	19	0.17
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	9	0.17
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	15	0.17
(1,321)	1:93:A:GLN:H	1:96:A:HIS:H	17	0.17
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	20	0.17
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	9	0.17
(1,253)	1:68:A:LEU:H	1:69:A:GLY:H	16	0.17
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD11	3	0.17
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD12	3	0.17
(1,234)	1:64:A:VAL:HG21	1:128:A:LEU:HD13	3	0.17
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD11	3	0.17
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD12	3	0.17
(1,234)	1:64:A:VAL:HG22	1:128:A:LEU:HD13	3	0.17
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD11	3	0.17
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD12	3	0.17
(1,234)	1:64:A:VAL:HG23	1:128:A:LEU:HD13	3	0.17
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD21	17	0.17
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD22	17	0.17
(1,232)	1:64:A:VAL:HG11	1:126:A:LEU:HD23	17	0.17
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD21	17	0.17
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD22	17	0.17
(1,232)	1:64:A:VAL:HG12	1:126:A:LEU:HD23	17	0.17
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD21	17	0.17
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD22	17	0.17
(1,232)	1:64:A:VAL:HG13	1:126:A:LEU:HD23	17	0.17
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	19	0.17
(1,209)	1:60:A:LEU:H	1:82:A:GLY:H	18	0.17
(1,188)	1:56:A:TYR:H	1:86:A:ILE:H	8	0.17
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	7	0.17
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	8	0.17
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	15	0.17
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	12	0.17
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG11	2	0.17
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG12	2	0.17
(1,132)	1:41:A:LYS:H	1:64:A:VAL:HG13	2	0.17
(1,117)	1:39:A:GLU:H	1:66:A:ALA:HB1	1	0.17
(1,117)	1:39:A:GLU:H	1:66:A:ALA:HB2	1	0.17
(1,117)	1:39:A:GLU:H	1:66:A:ALA:HB3	1	0.17
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	18	0.17
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	5	0.17
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	10	0.17
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	10	0.17
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	16	0.17
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	4	0.17
(1,28)	1:14:A:GLN:H	1:85:A:SER:H	16	0.17
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	11	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	11	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	11	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	11	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	11	0.16
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	11	0.16
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	11	0.16
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	11	0.16
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD11	1	0.16
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD12	1	0.16
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD13	1	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD11	1	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD12	1	0.16
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD13	1	0.16
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD11	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD12	1	0.16
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD13	1	0.16
(1,1736)	1:46:A:THR:HG21	2:177:G:LEU:HD21	5	0.16
(1,1736)	1:46:A:THR:HG21	2:177:G:LEU:HD22	5	0.16
(1,1736)	1:46:A:THR:HG21	2:177:G:LEU:HD23	5	0.16
(1,1736)	1:46:A:THR:HG22	2:177:G:LEU:HD21	5	0.16
(1,1736)	1:46:A:THR:HG22	2:177:G:LEU:HD22	5	0.16
(1,1736)	1:46:A:THR:HG22	2:177:G:LEU:HD23	5	0.16
(1,1736)	1:46:A:THR:HG23	2:177:G:LEU:HD21	5	0.16
(1,1736)	1:46:A:THR:HG23	2:177:G:LEU:HD22	5	0.16
(1,1736)	1:46:A:THR:HG23	2:177:G:LEU:HD23	5	0.16
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	6	0.16
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	6	0.16
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	6	0.16
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	6	0.16
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	6	0.16
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	6	0.16
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	6	0.16
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	6	0.16
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	6	0.16
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD21	10	0.16
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD22	10	0.16
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD23	10	0.16
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD21	10	0.16
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD22	10	0.16
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD23	10	0.16
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD21	10	0.16
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD22	10	0.16
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD23	10	0.16
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	6	0.16
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	6	0.16
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	6	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	6	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	6	0.16
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	6	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	6	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	6	0.16
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	6	0.16
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	18	0.16
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	18	0.16
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	18	0.16
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	18	0.16
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	18	0.16
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	18	0.16
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	18	0.16
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	18	0.16
(1,1717)	1:131:C:VAL:HG11	2:207:F:VAL:HG21	18	0.16
(1,1717)	1:131:C:VAL:HG11	2:207:F:VAL:HG22	18	0.16
(1,1717)	1:131:C:VAL:HG11	2:207:F:VAL:HG23	18	0.16
(1,1717)	1:131:C:VAL:HG12	2:207:F:VAL:HG21	18	0.16
(1,1717)	1:131:C:VAL:HG12	2:207:F:VAL:HG22	18	0.16
(1,1717)	1:131:C:VAL:HG12	2:207:F:VAL:HG23	18	0.16
(1,1717)	1:131:C:VAL:HG13	2:207:F:VAL:HG21	18	0.16
(1,1717)	1:131:C:VAL:HG13	2:207:F:VAL:HG22	18	0.16
(1,1717)	1:131:C:VAL:HG13	2:207:F:VAL:HG23	18	0.16
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD11	8	0.16
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD12	8	0.16
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD13	8	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD11	8	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD12	8	0.16
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD13	8	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD11	8	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD12	8	0.16
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD13	8	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	5	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	5	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	5	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	5	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	5	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	5	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	5	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	5	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	5	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	19	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	19	0.16
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	19	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	19	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	19	0.16
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	19	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	19	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	19	0.16
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	19	0.16
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	9	0.16
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	9	0.16
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	9	0.16
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	9	0.16
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	9	0.16
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	9	0.16
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	9	0.16
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	9	0.16
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD11	18	0.16
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD12	18	0.16
(1,1682)	1:42:C:LEU:HD21	2:187:E:ILE:HD13	18	0.16
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD11	18	0.16
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD12	18	0.16
(1,1682)	1:42:C:LEU:HD22	2:187:E:ILE:HD13	18	0.16
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD11	18	0.16
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD12	18	0.16
(1,1682)	1:42:C:LEU:HD23	2:187:E:ILE:HD13	18	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD11	1	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD12	1	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD13	1	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD21	1	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD22	1	0.16
(1,1678)	1:94:C:MET:HE1	2:173:E:LEU:HD23	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD11	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD12	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD13	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD21	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD22	1	0.16
(1,1678)	1:94:C:MET:HE2	2:173:E:LEU:HD23	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD11	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD12	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD13	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD21	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD22	1	0.16
(1,1678)	1:94:C:MET:HE3	2:173:E:LEU:HD23	1	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	6	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	6	0.16
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	6	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	6	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	6	0.16
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	6	0.16
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	6	0.16
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	6	0.16
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE1	9	0.16
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE2	9	0.16
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE3	9	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE1	9	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE2	9	0.16
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE3	9	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE1	9	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE2	9	0.16
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE3	9	0.16
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE1	15	0.16
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE2	15	0.16
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE3	15	0.16
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE1	15	0.16
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE2	15	0.16
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE3	15	0.16
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE1	15	0.16
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE2	15	0.16
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE3	15	0.16
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	3	0.16
(1,1659)	1:136:D:LEU:H	1:139:D:ASN:H	3	0.16
(1,1649)	1:133:D:PHE:HD1	1:134:D:ASP:H	11	0.16
(1,1649)	1:133:D:PHE:HD2	1:134:D:ASP:H	11	0.16
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	2	0.16
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	4	0.16
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	4	0.16
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	4	0.16
(1,1576)	1:96:D:HIS:H	1:98:D:LEU:H	5	0.16
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	9	0.16
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	11	0.16
(1,1552)	1:88:D:GLY:H	1:89:D:ILE:H	1	0.16
(1,1533)	1:79:D:GLN:H	1:80:D:GLN:H	16	0.16
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD21	5	0.16
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD22	5	0.16
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD23	5	0.16
(1,1452)	1:60:D:LEU:H	1:81:D:GLY:H	7	0.16
(1,1452)	1:60:D:LEU:H	1:81:D:GLY:H	17	0.16
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	18	0.16
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	1	0.16
(1,1407)	1:49:D:SER:H	1:57:D:GLU:H	14	0.16
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG11	12	0.16
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG12	12	0.16
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG13	12	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG11	12	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG12	12	0.16
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG13	12	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG11	12	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG12	12	0.16
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG13	12	0.16
(1,1327)	1:23:D:PHE:HD1	1:24:D:GLU:H	12	0.16
(1,1327)	1:23:D:PHE:HD2	1:24:D:GLU:H	12	0.16
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	19	0.16
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	19	0.16
(1,1260)	1:135:C:ALA:H	1:138:C:MET:H	17	0.16
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	15	0.16
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	13	0.16
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	20	0.16
(1,1203)	1:109:C:TYR:H	1:111:C:ARG:H	16	0.16
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	15	0.16
(1,1190)	1:97:C:CYS:H	1:99:C:GLY:H	4	0.16
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	9	0.16
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	20	0.16
(1,1116)	1:69:C:GLY:H	1:70:C:GLU:H	1	0.16
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	19	0.16
(1,1066)	1:60:C:LEU:H	1:80:C:GLN:H	17	0.16
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD11	4	0.16
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD12	4	0.16
(1,1056)	1:58:C:VAL:HG21	1:98:C:LEU:HD13	4	0.16
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD11	4	0.16
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD12	4	0.16
(1,1056)	1:58:C:VAL:HG22	1:98:C:LEU:HD13	4	0.16
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD11	4	0.16
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD12	4	0.16
(1,1056)	1:58:C:VAL:HG23	1:98:C:LEU:HD13	4	0.16
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	20	0.16
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	20	0.16
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	19	0.16
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	19	0.16
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	19	0.16
(1,997)	1:44:C:LEU:HD11	1:45:C:ASP:H	13	0.16
(1,997)	1:44:C:LEU:HD12	1:45:C:ASP:H	13	0.16
(1,997)	1:44:C:LEU:HD13	1:45:C:ASP:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:41:C:LYS:H	1:67:C:SER:H	5	0.16
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	1	0.16
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	1	0.16
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	1	0.16
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	3	0.16
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	3	0.16
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	3	0.16
(1,952)	1:31:C:VAL:H	1:33:C:GLN:H	6	0.16
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	13	0.16
(1,891)	1:14:C:GLN:H	1:15:C:ARG:H	6	0.16
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	18	0.16
(1,868)	1:139:B:ASN:H	1:141:B:LEU:H	2	0.16
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD1	5	0.16
(1,858)	1:136:B:LEU:HD21	1:140:B:TYR:HD2	5	0.16
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD1	5	0.16
(1,858)	1:136:B:LEU:HD22	1:140:B:TYR:HD2	5	0.16
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD1	5	0.16
(1,858)	1:136:B:LEU:HD23	1:140:B:TYR:HD2	5	0.16
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	10	0.16
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	10	0.16
(1,826)	1:119:B:SER:H	1:123:B:PHE:H	16	0.16
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	4	0.16
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	12	0.16
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	17	0.16
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	9	0.16
(1,780)	1:98:B:LEU:H	1:101:B:TYR:H	18	0.16
(1,758)	1:92:B:THR:H	1:94:B:MET:H	16	0.16
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	19	0.16
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	19	0.16
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	19	0.16
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	19	0.16
(1,683)	1:66:B:ALA:H	1:73:B:ALA:H	17	0.16
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	6	0.16
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	8	0.16
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	10	0.16
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	18	0.16
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	2	0.16
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	2	0.16
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	2	0.16
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	2	0.16
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	2	0.16
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	2	0.16
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	2	0.16
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	2	0.16
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	15	0.16
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	2	0.16
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	17	0.16
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	3	0.16
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	8	0.16
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	15	0.16
(1,584)	1:48:B:SER:H	1:59:B:VAL:H	15	0.16
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD21	2	0.16
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD22	2	0.16
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD23	2	0.16
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD21	2	0.16
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD22	2	0.16
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD23	2	0.16
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD21	2	0.16
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD22	2	0.16
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD23	2	0.16
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	19	0.16
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	19	0.16
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	19	0.16
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	19	0.16
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	19	0.16
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	19	0.16
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	19	0.16
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	19	0.16
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	19	0.16
(1,538)	1:41:B:LYS:H	1:65:B:THR:H	13	0.16
(1,520)	1:34:B:LYS:H	1:35:B:ASP:H	20	0.16
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	16	0.16
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	16	0.16
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	17	0.16
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	17	0.16
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	9	0.16
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	8	0.16
(1,460)	1:14:B:GLN:H	1:83:B:ILE:H	20	0.16
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	1	0.16
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	10	0.16
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	12	0.16
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	6	0.16
(1,364)	1:112:A:GLU:H	1:113:A:CYS:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	18	0.16
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	1	0.16
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	13	0.16
(1,327)	1:95:A:ALA:H	1:97:A:CYS:H	7	0.16
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE1	11	0.16
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE2	11	0.16
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE3	11	0.16
(1,256)	1:68:A:LEU:H	1:73:A:ALA:H	15	0.16
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD11	18	0.16
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD12	18	0.16
(1,223)	1:62:A:VAL:HG11	1:128:A:LEU:HD13	18	0.16
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD11	18	0.16
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD12	18	0.16
(1,223)	1:62:A:VAL:HG12	1:128:A:LEU:HD13	18	0.16
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD11	18	0.16
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD12	18	0.16
(1,223)	1:62:A:VAL:HG13	1:128:A:LEU:HD13	18	0.16
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	17	0.16
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	17	0.16
(1,162)	1:49:A:SER:H	1:59:A:VAL:H	4	0.16
(1,154)	1:47:A:ALA:H	1:59:A:VAL:H	15	0.16
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	17	0.16
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	19	0.16
(1,133)	1:41:A:LYS:H	1:65:A:THR:H	18	0.16
(1,122)	1:40:A:VAL:HG11	1:41:A:LYS:H	6	0.16
(1,122)	1:40:A:VAL:HG12	1:41:A:LYS:H	6	0.16
(1,122)	1:40:A:VAL:HG13	1:41:A:LYS:H	6	0.16
(1,120)	1:39:A:GLU:H	1:69:A:GLY:H	8	0.16
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE1	16	0.16
(1,113)	1:36:A:TRP:HZ3	1:123:A:PHE:HE2	16	0.16
(1,105)	1:36:A:TRP:HE3	1:37:A:GLN:H	19	0.16
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	19	0.16
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	3	0.16
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	3	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB1	17	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB2	17	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB3	17	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB1	17	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB2	17	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB3	17	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB1	18	0.16
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB3	18	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB1	18	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB2	18	0.16
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB3	18	0.16
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	8	0.16
(1,7)	1:11:A:PHE:HD1	1:12:A:GLN:H	1	0.16
(1,7)	1:11:A:PHE:HD2	1:12:A:GLN:H	1	0.16
(1,1761)	1:129:A:ALA:HB1	2:204:H:ILE:HD11	4	0.15
(1,1761)	1:129:A:ALA:HB1	2:204:H:ILE:HD12	4	0.15
(1,1761)	1:129:A:ALA:HB1	2:204:H:ILE:HD13	4	0.15
(1,1761)	1:129:A:ALA:HB2	2:204:H:ILE:HD11	4	0.15
(1,1761)	1:129:A:ALA:HB2	2:204:H:ILE:HD12	4	0.15
(1,1761)	1:129:A:ALA:HB2	2:204:H:ILE:HD13	4	0.15
(1,1761)	1:129:A:ALA:HB3	2:204:H:ILE:HD11	4	0.15
(1,1761)	1:129:A:ALA:HB3	2:204:H:ILE:HD12	4	0.15
(1,1761)	1:129:A:ALA:HB3	2:204:H:ILE:HD13	4	0.15
(1,1760)	1:13:C:ILE:HG21	2:204:H:ILE:HD11	14	0.15
(1,1760)	1:13:C:ILE:HG21	2:204:H:ILE:HD12	14	0.15
(1,1760)	1:13:C:ILE:HG21	2:204:H:ILE:HD13	14	0.15
(1,1760)	1:13:C:ILE:HG22	2:204:H:ILE:HD11	14	0.15
(1,1760)	1:13:C:ILE:HG22	2:204:H:ILE:HD12	14	0.15
(1,1760)	1:13:C:ILE:HG22	2:204:H:ILE:HD13	14	0.15
(1,1760)	1:13:C:ILE:HG23	2:204:H:ILE:HD11	14	0.15
(1,1760)	1:13:C:ILE:HG23	2:204:H:ILE:HD12	14	0.15
(1,1760)	1:13:C:ILE:HG23	2:204:H:ILE:HD13	14	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	16	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	16	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	16	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	16	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	16	0.15
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	16	0.15
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	16	0.15
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	16	0.15
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	16	0.15
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	16	0.15
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	16	0.15
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	16	0.15
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD11	11	0.15
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD12	11	0.15
(1,1750)	1:128:D:LEU:HD21	2:187:H:ILE:HD13	11	0.15
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD11	11	0.15
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD12	11	0.15
(1,1750)	1:128:D:LEU:HD22	2:187:H:ILE:HD13	11	0.15
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD11	11	0.15
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD12	11	0.15
(1,1750)	1:128:D:LEU:HD23	2:187:H:ILE:HD13	11	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	2	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	2	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	2	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	2	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	2	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	2	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	2	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	2	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	2	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	18	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	18	0.15
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	18	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	18	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	18	0.15
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	18	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	18	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	18	0.15
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	18	0.15
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	10	0.15
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	10	0.15
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	10	0.15
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	10	0.15
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	10	0.15
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	10	0.15
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	10	0.15
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	10	0.15
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	10	0.15
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE1	6	0.15
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE2	6	0.15
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE3	6	0.15
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE1	6	0.15
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE3	6	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE1	6	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE2	6	0.15
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE3	6	0.15
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	14	0.15
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	14	0.15
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	14	0.15
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	14	0.15
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	14	0.15
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	14	0.15
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	14	0.15
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	14	0.15
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	14	0.15
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	15	0.15
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	15	0.15
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	15	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	15	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	15	0.15
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	15	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	15	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	15	0.15
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	15	0.15
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE1	16	0.15
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE2	16	0.15
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE3	16	0.15
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE1	16	0.15
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE2	16	0.15
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE3	16	0.15
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE1	16	0.15
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE2	16	0.15
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE3	16	0.15
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG11	9	0.15
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG12	9	0.15
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG13	9	0.15
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG11	9	0.15
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG12	9	0.15
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG13	9	0.15
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG11	9	0.15
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG12	9	0.15
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG13	9	0.15
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	12	0.15
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	12	0.15
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	12	0.15
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	12	0.15
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	12	0.15
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	12	0.15
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	12	0.15
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	12	0.15
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD21	3	0.15
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD22	3	0.15
(1,1706)	1:131:B:VAL:HG11	2:186:F:LEU:HD23	3	0.15
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD21	3	0.15
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD22	3	0.15
(1,1706)	1:131:B:VAL:HG12	2:186:F:LEU:HD23	3	0.15
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD21	3	0.15
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD22	3	0.15
(1,1706)	1:131:B:VAL:HG13	2:186:F:LEU:HD23	3	0.15
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	7	0.15
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	7	0.15
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	7	0.15
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	7	0.15
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	7	0.15
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	7	0.15
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	7	0.15
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	7	0.15
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	7	0.15
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD21	14	0.15
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD22	14	0.15
(1,1645)	1:131:D:VAL:HG21	1:136:D:LEU:HD23	14	0.15
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD21	14	0.15
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD22	14	0.15
(1,1645)	1:131:D:VAL:HG22	1:136:D:LEU:HD23	14	0.15
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD21	14	0.15
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD22	14	0.15
(1,1645)	1:131:D:VAL:HG23	1:136:D:LEU:HD23	14	0.15
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	20	0.15
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	5	0.15
(1,1590)	1:99:D:GLY:H	1:102:D:CYS:H	5	0.15
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	20	0.15
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	20	0.15
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	20	0.15
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	5	0.15
(1,1533)	1:79:D:GLN:H	1:80:D:GLN:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD21	14	0.15
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD22	14	0.15
(1,1512)	1:74:D:PHE:H	1:75:D:LEU:HD23	14	0.15
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE1	16	0.15
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE2	16	0.15
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	16	0.15
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	16	0.15
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	16	0.15
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	16	0.15
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	16	0.15
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	16	0.15
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	16	0.15
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	16	0.15
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	16	0.15
(1,1440)	1:58:D:VAL:H	1:84:D:PHE:H	15	0.15
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	7	0.15
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	7	0.15
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	20	0.15
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	7	0.15
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	18	0.15
(1,1396)	1:47:D:ALA:H	1:58:D:VAL:HG11	9	0.15
(1,1396)	1:47:D:ALA:H	1:58:D:VAL:HG12	9	0.15
(1,1396)	1:47:D:ALA:H	1:58:D:VAL:HG13	9	0.15
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	10	0.15
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	11	0.15
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG11	9	0.15
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG12	9	0.15
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG13	9	0.15
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG11	9	0.15
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG12	9	0.15
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG13	9	0.15
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG11	9	0.15
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG12	9	0.15
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG13	9	0.15
(1,1356)	1:33:D:GLN:H	1:34:D:LYS:H	20	0.15
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	11	0.15
(1,1322)	1:22:D:SER:H	1:77:D:GLU:H	13	0.15
(1,1307)	1:17:D:TYR:H	1:81:D:GLY:H	17	0.15
(1,1298)	1:14:D:GLN:H	1:84:D:PHE:HD1	13	0.15
(1,1298)	1:14:D:GLN:H	1:84:D:PHE:HD2	13	0.15
(1,1296)	1:14:D:GLN:H	1:15:D:ARG:H	1	0.15
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	2	0.15
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	8	0.15
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	8	0.15
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	17	0.15
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	17	0.15
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	12	0.15
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	12	0.15
(1,1242)	1:121:C:GLY:H	1:123:C:PHE:H	2	0.15
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	9	0.15
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	9	0.15
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	18	0.15
(1,1182)	1:94:C:MET:H	1:97:C:CYS:H	10	0.15
(1,1118)	1:70:C:GLU:H	1:71:C:GLU:H	1	0.15
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	10	0.15
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	15	0.15
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD1	7	0.15
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD2	7	0.15
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	16	0.15
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	11	0.15
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	18	0.15
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	5	0.15
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	5	0.15
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	5	0.15
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	5	0.15
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	5	0.15
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	5	0.15
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	11	0.15
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	13	0.15
(1,875)	1:10:C:THR:H	1:89:C:ILE:H	14	0.15
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	11	0.15
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	17	0.15
(1,847)	1:134:B:ASP:H	1:137:B:PHE:H	5	0.15
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	20	0.15
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	9	0.15
(1,832)	1:126:B:LEU:H	1:127:B:ASN:H	14	0.15
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	2	0.15
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	15	0.15
(1,780)	1:98:B:LEU:H	1:101:B:TYR:H	5	0.15
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	3	0.15
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	12	0.15
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	17	0.15
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	6	0.15
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	17	0.15
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	13	0.15
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD11	4	0.15
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD12	4	0.15
(1,677)	1:64:B:VAL:HG21	1:126:B:LEU:HD13	4	0.15
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD11	4	0.15
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD12	4	0.15
(1,677)	1:64:B:VAL:HG22	1:126:B:LEU:HD13	4	0.15
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD11	4	0.15
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD12	4	0.15
(1,677)	1:64:B:VAL:HG23	1:126:B:LEU:HD13	4	0.15
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	15	0.15
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	15	0.15
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	15	0.15
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	15	0.15
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	15	0.15
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	15	0.15
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	15	0.15
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	15	0.15
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	15	0.15
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	19	0.15
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	13	0.15
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD21	9	0.15
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD22	9	0.15
(1,632)	1:58:B:VAL:HG21	1:98:B:LEU:HD23	9	0.15
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD21	9	0.15
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD22	9	0.15
(1,632)	1:58:B:VAL:HG22	1:98:B:LEU:HD23	9	0.15
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD21	9	0.15
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD22	9	0.15
(1,632)	1:58:B:VAL:HG23	1:98:B:LEU:HD23	9	0.15
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	14	0.15
(1,601)	1:52:B:ALA:H	1:55:B:VAL:H	3	0.15
(1,597)	1:51:B:LEU:H	1:57:B:GLU:H	12	0.15
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	12	0.15
(1,584)	1:48:B:SER:H	1:59:B:VAL:H	5	0.15
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG11	15	0.15
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG12	15	0.15
(1,579)	1:47:B:ALA:H	1:58:B:VAL:HG13	15	0.15
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	8	0.15
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	18	0.15
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	18	0.15
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	20	0.15
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	16	0.15
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	2	0.15
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	9	0.15
(1,423)	1:137:A:PHE:H	1:140:A:TYR:H	20	0.15
(1,408)	1:133:A:PHE:H	1:134:A:ASP:H	2	0.15
(1,390)	1:119:A:SER:H	1:123:A:PHE:H	10	0.15
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD21	11	0.15
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD22	11	0.15
(1,388)	1:118:A:VAL:HG21	1:126:A:LEU:HD23	11	0.15
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD21	11	0.15
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD22	11	0.15
(1,388)	1:118:A:VAL:HG22	1:126:A:LEU:HD23	11	0.15
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD21	11	0.15
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD22	11	0.15
(1,388)	1:118:A:VAL:HG23	1:126:A:LEU:HD23	11	0.15
(1,359)	1:110:A:ALA:H	1:112:A:GLU:H	12	0.15
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	4	0.15
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	2	0.15
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	8	0.15
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	10	0.15
(1,324)	1:94:A:MET:H	1:97:A:CYS:H	1	0.15
(1,324)	1:94:A:MET:H	1:97:A:CYS:H	4	0.15
(1,313)	1:90:A:GLU:H	1:94:A:MET:H	3	0.15
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE1	17	0.15
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE2	17	0.15
(1,282)	1:77:A:GLU:H	1:117:A:MET:HE3	17	0.15
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	8	0.15
(1,262)	1:70:A:GLU:H	1:71:A:GLU:H	11	0.15
(1,262)	1:70:A:GLU:H	1:71:A:GLU:H	15	0.15
(1,260)	1:69:A:GLY:H	1:70:A:GLU:H	1	0.15
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	1	0.15
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	4	0.15
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	18	0.15
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	4	0.15
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	10	0.15
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	17	0.15
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD21	13	0.15
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD22	13	0.15
(1,127)	1:40:A:VAL:HG11	1:128:A:LEU:HD23	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD21	13	0.15
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD22	13	0.15
(1,127)	1:40:A:VAL:HG12	1:128:A:LEU:HD23	13	0.15
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD21	13	0.15
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD22	13	0.15
(1,127)	1:40:A:VAL:HG13	1:128:A:LEU:HD23	13	0.15
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	9	0.15
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD11	17	0.15
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD12	17	0.15
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD13	17	0.15
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD11	17	0.15
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD12	17	0.15
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD13	17	0.15
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD11	17	0.15
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD12	17	0.15
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD13	17	0.15
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	5	0.15
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	15	0.15
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	17	0.15
(1,70)	1:23:A:PHE:HE1	1:24:A:GLU:H	9	0.15
(1,70)	1:23:A:PHE:HE2	1:24:A:GLU:H	9	0.15
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	4	0.15
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	6	0.15
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	1	0.15
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	2	0.15
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	2	0.15
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	15	0.14
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	15	0.14
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	15	0.14
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	15	0.14
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	15	0.14
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	15	0.14
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	15	0.14
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	15	0.14
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	15	0.14
(1,1751)	1:42:D:LEU:HD21	2:187:H:ILE:HD11	1	0.14
(1,1751)	1:42:D:LEU:HD21	2:187:H:ILE:HD12	1	0.14
(1,1751)	1:42:D:LEU:HD21	2:187:H:ILE:HD13	1	0.14
(1,1751)	1:42:D:LEU:HD22	2:187:H:ILE:HD11	1	0.14
(1,1751)	1:42:D:LEU:HD22	2:187:H:ILE:HD12	1	0.14
(1,1751)	1:42:D:LEU:HD22	2:187:H:ILE:HD13	1	0.14
(1,1751)	1:42:D:LEU:HD23	2:187:H:ILE:HD11	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:42:D:LEU:HD23	2:187:H:ILE:HD12	1	0.14
(1,1751)	1:42:D:LEU:HD23	2:187:H:ILE:HD13	1	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD11	19	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD12	19	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD13	19	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD21	19	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD22	19	0.14
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD23	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD11	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD12	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD13	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD21	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD22	19	0.14
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD23	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD11	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD12	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD13	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD21	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD22	19	0.14
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD23	19	0.14
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE1	5	0.14
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE2	5	0.14
(1,1731)	1:87:A:ALA:HB1	2:174:G:MET:HE3	5	0.14
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE1	5	0.14
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE2	5	0.14
(1,1731)	1:87:A:ALA:HB2	2:174:G:MET:HE3	5	0.14
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE1	5	0.14
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE2	5	0.14
(1,1731)	1:87:A:ALA:HB3	2:174:G:MET:HE3	5	0.14
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD11	18	0.14
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD12	18	0.14
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD13	18	0.14
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD11	18	0.14
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD12	18	0.14
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD13	18	0.14
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD11	18	0.14
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD12	18	0.14
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD13	18	0.14
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD21	10	0.14
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD22	10	0.14
(1,1722)	1:86:A:ILE:HD11	2:173:G:LEU:HD23	10	0.14
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD21	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD22	10	0.14
(1,1722)	1:86:A:ILE:HD12	2:173:G:LEU:HD23	10	0.14
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD21	10	0.14
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD22	10	0.14
(1,1722)	1:86:A:ILE:HD13	2:173:G:LEU:HD23	10	0.14
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	17	0.14
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	17	0.14
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	17	0.14
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	17	0.14
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	17	0.14
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	17	0.14
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	17	0.14
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	17	0.14
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	17	0.14
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG11	15	0.14
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG12	15	0.14
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG13	15	0.14
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG11	15	0.14
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG12	15	0.14
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG13	15	0.14
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG11	15	0.14
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG12	15	0.14
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG13	15	0.14
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD11	16	0.14
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD12	16	0.14
(1,1715)	1:13:A:ILE:HG21	2:204:F:ILE:HD13	16	0.14
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD11	16	0.14
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD12	16	0.14
(1,1715)	1:13:A:ILE:HG22	2:204:F:ILE:HD13	16	0.14
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD11	16	0.14
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD12	16	0.14
(1,1715)	1:13:A:ILE:HG23	2:204:F:ILE:HD13	16	0.14
(1,1714)	1:56:B:TYR:HE1	2:174:F:MET:HE1	5	0.14
(1,1714)	1:56:B:TYR:HE1	2:174:F:MET:HE2	5	0.14
(1,1714)	1:56:B:TYR:HE1	2:174:F:MET:HE3	5	0.14
(1,1714)	1:56:B:TYR:HE2	2:174:F:MET:HE1	5	0.14
(1,1714)	1:56:B:TYR:HE2	2:174:F:MET:HE2	5	0.14
(1,1714)	1:56:B:TYR:HE2	2:174:F:MET:HE3	5	0.14
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	19	0.14
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	19	0.14
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	19	0.14
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	19	0.14
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	19	0.14
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	19	0.14
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	19	0.14
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	19	0.14
(1,1691)	1:56:C:TYR:HE1	2:174:E:MET:HE1	2	0.14
(1,1691)	1:56:C:TYR:HE1	2:174:E:MET:HE2	2	0.14
(1,1691)	1:56:C:TYR:HE1	2:174:E:MET:HE3	2	0.14
(1,1691)	1:56:C:TYR:HE2	2:174:E:MET:HE1	2	0.14
(1,1691)	1:56:C:TYR:HE2	2:174:E:MET:HE2	2	0.14
(1,1691)	1:56:C:TYR:HE2	2:174:E:MET:HE3	2	0.14
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB1	9	0.14
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB2	9	0.14
(1,1688)	1:40:C:VAL:HG21	2:189:E:ALA:HB3	9	0.14
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB1	9	0.14
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB2	9	0.14
(1,1688)	1:40:C:VAL:HG22	2:189:E:ALA:HB3	9	0.14
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB1	9	0.14
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB2	9	0.14
(1,1688)	1:40:C:VAL:HG23	2:189:E:ALA:HB3	9	0.14
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	17	0.14
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	17	0.14
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	17	0.14
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	17	0.14
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	17	0.14
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	17	0.14
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	17	0.14
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	17	0.14
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	17	0.14
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD21	20	0.14
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD22	20	0.14
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD23	20	0.14
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD21	20	0.14
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD22	20	0.14
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD23	20	0.14
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD21	20	0.14
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD22	20	0.14
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD23	20	0.14
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	11	0.14
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	11	0.14
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	11	0.14
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	11	0.14
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	11	0.14
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	11	0.14
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	11	0.14
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	11	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	13	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	13	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	13	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	13	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	13	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	13	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	13	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	13	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	13	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD21	20	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD22	20	0.14
(1,1676)	1:86:C:ILE:HD11	2:173:E:LEU:HD23	20	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD21	20	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD22	20	0.14
(1,1676)	1:86:C:ILE:HD12	2:173:E:LEU:HD23	20	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD21	20	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD22	20	0.14
(1,1676)	1:86:C:ILE:HD13	2:173:E:LEU:HD23	20	0.14
(1,1662)	1:137:D:PHE:H	1:139:D:ASN:H	9	0.14
(1,1655)	1:135:D:ALA:H	1:138:D:MET:H	13	0.14
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD21	19	0.14
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD22	19	0.14
(1,1640)	1:126:D:LEU:HD21	1:128:D:LEU:HD23	19	0.14
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD21	19	0.14
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD22	19	0.14
(1,1640)	1:126:D:LEU:HD22	1:128:D:LEU:HD23	19	0.14
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD21	19	0.14
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD22	19	0.14
(1,1640)	1:126:D:LEU:HD23	1:128:D:LEU:HD23	19	0.14
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	8	0.14
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	13	0.14
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	14	0.14
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD21	9	0.14
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD22	9	0.14
(1,1574)	1:95:D:ALA:HB1	1:98:D:LEU:HD23	9	0.14
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD21	9	0.14
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD22	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:95:D:ALA:HB2	1:98:D:LEU:HD23	9	0.14
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD21	9	0.14
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD22	9	0.14
(1,1574)	1:95:D:ALA:HB3	1:98:D:LEU:HD23	9	0.14
(1,1569)	1:94:D:MET:H	1:97:D:CYS:H	16	0.14
(1,1555)	1:89:D:ILE:HD11	1:90:D:GLU:H	14	0.14
(1,1555)	1:89:D:ILE:HD12	1:90:D:GLU:H	14	0.14
(1,1555)	1:89:D:ILE:HD13	1:90:D:GLU:H	14	0.14
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	4	0.14
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	9	0.14
(1,1472)	1:64:D:VAL:H	1:65:D:THR:H	4	0.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD11	7	0.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD12	7	0.14
(1,1442)	1:58:D:VAL:HG11	1:98:D:LEU:HD13	7	0.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD11	7	0.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD12	7	0.14
(1,1442)	1:58:D:VAL:HG12	1:98:D:LEU:HD13	7	0.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD11	7	0.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD12	7	0.14
(1,1442)	1:58:D:VAL:HG13	1:98:D:LEU:HD13	7	0.14
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	9	0.14
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	9	0.14
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	16	0.14
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE1	14	0.14
(1,1406)	1:49:D:SER:H	1:56:D:TYR:HE2	14	0.14
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	18	0.14
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD21	5	0.14
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD22	5	0.14
(1,1382)	1:42:D:LEU:HD21	1:128:D:LEU:HD23	5	0.14
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD21	5	0.14
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD22	5	0.14
(1,1382)	1:42:D:LEU:HD22	1:128:D:LEU:HD23	5	0.14
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD21	5	0.14
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD22	5	0.14
(1,1382)	1:42:D:LEU:HD23	1:128:D:LEU:HD23	5	0.14
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	19	0.14
(1,1349)	1:31:D:VAL:HG11	1:123:D:PHE:HE1	18	0.14
(1,1349)	1:31:D:VAL:HG11	1:123:D:PHE:HE2	18	0.14
(1,1349)	1:31:D:VAL:HG12	1:123:D:PHE:HE1	18	0.14
(1,1349)	1:31:D:VAL:HG12	1:123:D:PHE:HE2	18	0.14
(1,1349)	1:31:D:VAL:HG13	1:123:D:PHE:HE1	18	0.14
(1,1349)	1:31:D:VAL:HG13	1:123:D:PHE:HE2	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE1	8	0.14
(1,1305)	1:16:D:ILE:HD11	1:109:D:TYR:HE2	8	0.14
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE1	8	0.14
(1,1305)	1:16:D:ILE:HD12	1:109:D:TYR:HE2	8	0.14
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE1	8	0.14
(1,1305)	1:16:D:ILE:HD13	1:109:D:TYR:HE2	8	0.14
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	4	0.14
(1,1290)	1:11:D:PHE:HE1	1:102:D:CYS:H	11	0.14
(1,1290)	1:11:D:PHE:HE2	1:102:D:CYS:H	11	0.14
(1,1275)	1:140:C:TYR:HE1	1:141:C:LEU:H	5	0.14
(1,1275)	1:140:C:TYR:HE2	1:141:C:LEU:H	5	0.14
(1,1250)	1:127:C:ASN:H	1:128:C:LEU:HD21	1	0.14
(1,1250)	1:127:C:ASN:H	1:128:C:LEU:HD22	1	0.14
(1,1250)	1:127:C:ASN:H	1:128:C:LEU:HD23	1	0.14
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	7	0.14
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	11	0.14
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	1	0.14
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	19	0.14
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	11	0.14
(1,1202)	1:109:C:TYR:H	1:110:C:ALA:H	4	0.14
(1,1202)	1:109:C:TYR:H	1:110:C:ALA:H	8	0.14
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	2	0.14
(1,1197)	1:100:C:ALA:H	1:102:C:CYS:H	19	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	10	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	10	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	10	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	10	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	10	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	10	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	10	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	10	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	10	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE1	18	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE2	18	0.14
(1,1170)	1:89:C:ILE:HD11	1:94:C:MET:HE3	18	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE1	18	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE2	18	0.14
(1,1170)	1:89:C:ILE:HD12	1:94:C:MET:HE3	18	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE1	18	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE2	18	0.14
(1,1170)	1:89:C:ILE:HD13	1:94:C:MET:HE3	18	0.14
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	18	0.14
(1,1138)	1:77:C:GLU:H	1:78:C:VAL:H	11	0.14
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE1	3	0.14
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE2	3	0.14
(1,1047)	1:56:C:TYR:HE1	1:94:C:MET:HE3	3	0.14
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE1	3	0.14
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE2	3	0.14
(1,1047)	1:56:C:TYR:HE2	1:94:C:MET:HE3	3	0.14
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	5	0.14
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	8	0.14
(1,1020)	1:51:C:LEU:H	1:55:C:VAL:H	16	0.14
(1,995)	1:43:C:ASP:H	1:65:C:THR:H	3	0.14
(1,983)	1:41:C:LYS:H	1:64:C:VAL:HG11	11	0.14
(1,983)	1:41:C:LYS:H	1:64:C:VAL:HG12	11	0.14
(1,983)	1:41:C:LYS:H	1:64:C:VAL:HG13	11	0.14
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	4	0.14
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	17	0.14
(1,928)	1:22:C:SER:H	1:79:C:GLN:H	1	0.14
(1,914)	1:19:C:LYS:H	1:81:C:GLY:H	13	0.14
(1,914)	1:19:C:LYS:H	1:81:C:GLY:H	15	0.14
(1,912)	1:19:C:LYS:H	1:79:C:GLN:H	5	0.14
(1,887)	1:13:C:ILE:HD11	1:16:C:ILE:HD11	3	0.14
(1,887)	1:13:C:ILE:HD11	1:16:C:ILE:HD12	3	0.14
(1,887)	1:13:C:ILE:HD11	1:16:C:ILE:HD13	3	0.14
(1,887)	1:13:C:ILE:HD12	1:16:C:ILE:HD11	3	0.14
(1,887)	1:13:C:ILE:HD12	1:16:C:ILE:HD12	3	0.14
(1,887)	1:13:C:ILE:HD12	1:16:C:ILE:HD13	3	0.14
(1,887)	1:13:C:ILE:HD13	1:16:C:ILE:HD11	3	0.14
(1,887)	1:13:C:ILE:HD13	1:16:C:ILE:HD12	3	0.14
(1,887)	1:13:C:ILE:HD13	1:16:C:ILE:HD13	3	0.14
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	2	0.14
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	4	0.14
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	11	0.14
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	20	0.14
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	4	0.14
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	7	0.14
(1,846)	1:134:B:ASP:H	1:136:B:LEU:H	18	0.14
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	4	0.14
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	17	0.14
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	1	0.14
(1,815)	1:116:B:SER:H	1:118:B:VAL:H	14	0.14
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	19	0.14
(1,787)	1:100:B:ALA:H	1:102:B:CYS:H	18	0.14
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD21	14	0.14
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD22	14	0.14
(1,766)	1:94:B:MET:HE1	1:98:B:LEU:HD23	14	0.14
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD21	14	0.14
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD22	14	0.14
(1,766)	1:94:B:MET:HE2	1:98:B:LEU:HD23	14	0.14
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD21	14	0.14
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD22	14	0.14
(1,766)	1:94:B:MET:HE3	1:98:B:LEU:HD23	14	0.14
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	9	0.14
(1,739)	1:83:B:ILE:H	1:84:B:PHE:HE1	20	0.14
(1,739)	1:83:B:ILE:H	1:84:B:PHE:HE2	20	0.14
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	1	0.14
(1,683)	1:66:B:ALA:H	1:73:B:ALA:H	1	0.14
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	12	0.14
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	14	0.14
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	14	0.14
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	15	0.14
(1,593)	1:51:B:LEU:H	1:55:B:VAL:H	17	0.14
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	2	0.14
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	8	0.14
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	14	0.14
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	14	0.14
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	14	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB1	3	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB2	3	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB3	3	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB1	3	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB2	3	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB3	3	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB1	3	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB2	3	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB3	3	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB1	6	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB2	6	0.14
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB3	6	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB1	6	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB2	6	0.14
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB3	6	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB1	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB2	6	0.14
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB3	6	0.14
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	4	0.14
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	4	0.14
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	14	0.14
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	14	0.14
(1,487)	1:21:B:ILE:HD11	1:79:B:GLN:H	1	0.14
(1,487)	1:21:B:ILE:HD12	1:79:B:GLN:H	1	0.14
(1,487)	1:21:B:ILE:HD13	1:79:B:GLN:H	1	0.14
(1,482)	1:20:B:ASP:H	1:81:B:GLY:H	11	0.14
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	3	0.14
(1,454)	1:13:B:ILE:HD11	1:14:B:GLN:H	15	0.14
(1,454)	1:13:B:ILE:HD12	1:14:B:GLN:H	15	0.14
(1,454)	1:13:B:ILE:HD13	1:14:B:GLN:H	15	0.14
(1,430)	1:139:A:ASN:H	1:140:A:TYR:H	7	0.14
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	5	0.14
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	12	0.14
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	20	0.14
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	8	0.14
(1,414)	1:134:A:ASP:H	1:137:A:PHE:H	18	0.14
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	5	0.14
(1,395)	1:122:A:THR:H	1:18:B:THR:H	19	0.14
(1,374)	1:115:A:THR:H	1:116:A:SER:H	9	0.14
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	20	0.14
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	1	0.14
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	6	0.14
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	1	0.14
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	6	0.14
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	9	0.14
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	16	0.14
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	4	0.14
(1,331)	1:96:A:HIS:H	1:97:A:CYS:H	17	0.14
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	16	0.14
(1,316)	1:92:A:THR:H	1:93:A:GLN:H	8	0.14
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	6	0.14
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	17	0.14
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	19	0.14
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	20	0.14
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	13	0.14
(1,242)	1:66:A:ALA:H	1:76:A:CYS:H	18	0.14
(1,227)	1:64:A:VAL:H	1:65:A:THR:H	11	0.14
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:49:A:SER:H	1:59:A:VAL:H	5	0.14
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	13	0.14
(1,147)	1:44:A:LEU:HD21	1:45:A:ASP:H	4	0.14
(1,147)	1:44:A:LEU:HD22	1:45:A:ASP:H	4	0.14
(1,147)	1:44:A:LEU:HD23	1:45:A:ASP:H	4	0.14
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	16	0.14
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	9	0.14
(1,89)	1:31:A:VAL:H	1:34:A:LYS:H	13	0.14
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	14	0.14
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	20	0.14
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	4	0.14
(1,75)	1:24:A:GLU:H	1:75:A:LEU:H	11	0.14
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	17	0.14
(1,48)	1:19:A:LYS:H	1:79:A:GLN:H	16	0.14
(1,38)	1:17:A:TYR:H	1:82:A:GLY:H	19	0.14
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	11	0.14
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	15	0.14
(1,30)	1:15:A:ARG:H	1:83:A:ILE:H	14	0.14
(1,15)	1:12:A:GLN:H	1:85:A:SER:H	7	0.14
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE1	17	0.14
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE2	17	0.14
(1,6)	1:11:A:PHE:H	1:138:C:MET:HE3	17	0.14
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE1	4	0.13
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE2	4	0.13
(1,1754)	1:87:D:ALA:HB1	2:174:H:MET:HE3	4	0.13
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE1	4	0.13
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE2	4	0.13
(1,1754)	1:87:D:ALA:HB2	2:174:H:MET:HE3	4	0.13
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE1	4	0.13
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE2	4	0.13
(1,1754)	1:87:D:ALA:HB3	2:174:H:MET:HE3	4	0.13
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD21	19	0.13
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD22	19	0.13
(1,1752)	1:131:D:VAL:HG11	2:186:H:LEU:HD23	19	0.13
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD21	19	0.13
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD22	19	0.13
(1,1752)	1:131:D:VAL:HG12	2:186:H:LEU:HD23	19	0.13
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD21	19	0.13
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD22	19	0.13
(1,1752)	1:131:D:VAL:HG13	2:186:H:LEU:HD23	19	0.13
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD11	14	0.13
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD12	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD13	14	0.13
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD21	14	0.13
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD22	14	0.13
(1,1747)	1:94:D:MET:HE1	2:173:H:LEU:HD23	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD11	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD12	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD13	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD21	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD22	14	0.13
(1,1747)	1:94:D:MET:HE2	2:173:H:LEU:HD23	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD11	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD12	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD13	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD21	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD22	14	0.13
(1,1747)	1:94:D:MET:HE3	2:173:H:LEU:HD23	14	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	4	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	4	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	4	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	4	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	4	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	4	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	4	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	4	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	4	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	16	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	16	0.13
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	16	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	16	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	16	0.13
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	16	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	16	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	16	0.13
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	16	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD11	20	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD12	20	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD13	20	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD21	20	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD22	20	0.13
(1,1732)	1:87:A:ALA:HB1	2:173:G:LEU:HD23	20	0.13
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD11	20	0.13
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD12	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD13	20	0.13
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD21	20	0.13
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD22	20	0.13
(1,1732)	1:87:A:ALA:HB2	2:173:G:LEU:HD23	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD11	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD12	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD13	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD21	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD22	20	0.13
(1,1732)	1:87:A:ALA:HB3	2:173:G:LEU:HD23	20	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	10	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	10	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	10	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	10	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	10	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	10	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	10	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	10	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	10	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	14	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	14	0.13
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	14	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	14	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	14	0.13
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	14	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	14	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	14	0.13
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	14	0.13
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG21	19	0.13
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG22	19	0.13
(1,1719)	1:136:C:LEU:HD11	2:207:F:VAL:HG23	19	0.13
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG21	19	0.13
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG22	19	0.13
(1,1719)	1:136:C:LEU:HD12	2:207:F:VAL:HG23	19	0.13
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG21	19	0.13
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG22	19	0.13
(1,1719)	1:136:C:LEU:HD13	2:207:F:VAL:HG23	19	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	11	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	11	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	11	0.13
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	11	0.13
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	11	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	11	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	11	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	11	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE1	14	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE2	14	0.13
(1,1708)	1:87:B:ALA:HB1	2:174:F:MET:HE3	14	0.13
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE1	14	0.13
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE2	14	0.13
(1,1708)	1:87:B:ALA:HB2	2:174:F:MET:HE3	14	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE1	14	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE2	14	0.13
(1,1708)	1:87:B:ALA:HB3	2:174:F:MET:HE3	14	0.13
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	3	0.13
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	3	0.13
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	3	0.13
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	3	0.13
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	3	0.13
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	3	0.13
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	3	0.13
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	3	0.13
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	3	0.13
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE1	4	0.13
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE2	4	0.13
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE3	4	0.13
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE1	4	0.13
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE2	4	0.13
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE3	4	0.13
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE1	4	0.13
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE2	4	0.13
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE3	4	0.13
(1,1696)	1:136:B:LEU:HD11	2:207:E:VAL:HG21	4	0.13
(1,1696)	1:136:B:LEU:HD11	2:207:E:VAL:HG22	4	0.13
(1,1696)	1:136:B:LEU:HD11	2:207:E:VAL:HG23	4	0.13
(1,1696)	1:136:B:LEU:HD12	2:207:E:VAL:HG21	4	0.13
(1,1696)	1:136:B:LEU:HD12	2:207:E:VAL:HG22	4	0.13
(1,1696)	1:136:B:LEU:HD12	2:207:E:VAL:HG23	4	0.13
(1,1696)	1:136:B:LEU:HD13	2:207:E:VAL:HG21	4	0.13
(1,1696)	1:136:B:LEU:HD13	2:207:E:VAL:HG22	4	0.13
(1,1696)	1:136:B:LEU:HD13	2:207:E:VAL:HG23	4	0.13
(1,1693)	1:129:B:ALA:HB1	2:204:E:ILE:HD11	12	0.13
(1,1693)	1:129:B:ALA:HB1	2:204:E:ILE:HD12	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:129:B:ALA:HB1	2:204:E:ILE:HD13	12	0.13
(1,1693)	1:129:B:ALA:HB2	2:204:E:ILE:HD11	12	0.13
(1,1693)	1:129:B:ALA:HB2	2:204:E:ILE:HD12	12	0.13
(1,1693)	1:129:B:ALA:HB2	2:204:E:ILE:HD13	12	0.13
(1,1693)	1:129:B:ALA:HB3	2:204:E:ILE:HD11	12	0.13
(1,1693)	1:129:B:ALA:HB3	2:204:E:ILE:HD12	12	0.13
(1,1693)	1:129:B:ALA:HB3	2:204:E:ILE:HD13	12	0.13
(1,1692)	1:13:D:ILE:HG21	2:204:E:ILE:HD11	15	0.13
(1,1692)	1:13:D:ILE:HG21	2:204:E:ILE:HD12	15	0.13
(1,1692)	1:13:D:ILE:HG21	2:204:E:ILE:HD13	15	0.13
(1,1692)	1:13:D:ILE:HG22	2:204:E:ILE:HD11	15	0.13
(1,1692)	1:13:D:ILE:HG22	2:204:E:ILE:HD12	15	0.13
(1,1692)	1:13:D:ILE:HG22	2:204:E:ILE:HD13	15	0.13
(1,1692)	1:13:D:ILE:HG23	2:204:E:ILE:HD11	15	0.13
(1,1692)	1:13:D:ILE:HG23	2:204:E:ILE:HD12	15	0.13
(1,1692)	1:13:D:ILE:HG23	2:204:E:ILE:HD13	15	0.13
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	10	0.13
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	10	0.13
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	10	0.13
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	10	0.13
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	10	0.13
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	10	0.13
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	10	0.13
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	10	0.13
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	10	0.13
(1,1669)	1:138:D:MET:H	1:141:D:LEU:H	7	0.13
(1,1654)	1:135:D:ALA:H	1:137:D:PHE:H	3	0.13
(1,1576)	1:96:D:HIS:H	1:98:D:LEU:H	2	0.13
(1,1576)	1:96:D:HIS:H	1:98:D:LEU:H	13	0.13
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	9	0.13
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	1	0.13
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	3	0.13
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	16	0.13
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	20	0.13
(1,1472)	1:64:D:VAL:H	1:65:D:THR:H	2	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB1	5	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB2	5	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB3	5	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB1	5	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB2	5	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB3	5	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB1	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB2	5	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB3	5	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB1	19	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB2	19	0.13
(1,1470)	1:62:D:VAL:HG21	1:110:D:ALA:HB3	19	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB1	19	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB2	19	0.13
(1,1470)	1:62:D:VAL:HG22	1:110:D:ALA:HB3	19	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB1	19	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB2	19	0.13
(1,1470)	1:62:D:VAL:HG23	1:110:D:ALA:HB3	19	0.13
(1,1435)	1:56:D:TYR:HD1	1:57:D:GLU:H	16	0.13
(1,1435)	1:56:D:TYR:HD2	1:57:D:GLU:H	16	0.13
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	3	0.13
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	14	0.13
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	10	0.13
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	12	0.13
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	19	0.13
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	19	0.13
(1,1388)	1:44:D:LEU:HD11	1:60:D:LEU:HD21	3	0.13
(1,1388)	1:44:D:LEU:HD11	1:60:D:LEU:HD22	3	0.13
(1,1388)	1:44:D:LEU:HD11	1:60:D:LEU:HD23	3	0.13
(1,1388)	1:44:D:LEU:HD12	1:60:D:LEU:HD21	3	0.13
(1,1388)	1:44:D:LEU:HD12	1:60:D:LEU:HD22	3	0.13
(1,1388)	1:44:D:LEU:HD12	1:60:D:LEU:HD23	3	0.13
(1,1388)	1:44:D:LEU:HD13	1:60:D:LEU:HD21	3	0.13
(1,1388)	1:44:D:LEU:HD13	1:60:D:LEU:HD22	3	0.13
(1,1388)	1:44:D:LEU:HD13	1:60:D:LEU:HD23	3	0.13
(1,1362)	1:36:D:TRP:HE3	1:37:D:GLN:H	11	0.13
(1,1354)	1:32:D:PHE:H	1:34:D:LYS:H	20	0.13
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	1	0.13
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	18	0.13
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	6	0.13
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	8	0.13
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	4	0.13
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	6	0.13
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	6	0.13
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	6	0.13
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	6	0.13
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	6	0.13
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	6	0.13
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD1	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:16:D:ILE:HD11	1:109:D:TYR:HD2	9	0.13
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD1	9	0.13
(1,1304)	1:16:D:ILE:HD12	1:109:D:TYR:HD2	9	0.13
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD1	9	0.13
(1,1304)	1:16:D:ILE:HD13	1:109:D:TYR:HD2	9	0.13
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	2	0.13
(1,1292)	1:12:D:GLN:H	1:85:D:SER:H	8	0.13
(1,1291)	1:12:D:GLN:H	1:13:D:ILE:H	20	0.13
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	1	0.13
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	1	0.13
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	19	0.13
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	19	0.13
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	5	0.13
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	8	0.13
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	17	0.13
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	20	0.13
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	20	0.13
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	19	0.13
(1,1199)	1:101:C:TYR:H	1:102:C:CYS:H	3	0.13
(1,1199)	1:101:C:TYR:H	1:102:C:CYS:H	14	0.13
(1,1182)	1:94:C:MET:H	1:97:C:CYS:H	11	0.13
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	18	0.13
(1,1164)	1:87:C:ALA:H	1:89:C:ILE:H	14	0.13
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	4	0.13
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	13	0.13
(1,1074)	1:62:C:VAL:H	1:78:C:VAL:H	7	0.13
(1,1066)	1:60:C:LEU:H	1:80:C:GLN:H	20	0.13
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE1	3	0.13
(1,1039)	1:55:C:VAL:H	1:56:C:TYR:HE2	3	0.13
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD11	10	0.13
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD12	10	0.13
(1,990)	1:42:C:LEU:HD21	1:128:C:LEU:HD13	10	0.13
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD11	10	0.13
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD12	10	0.13
(1,990)	1:42:C:LEU:HD22	1:128:C:LEU:HD13	10	0.13
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD11	10	0.13
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD12	10	0.13
(1,990)	1:42:C:LEU:HD23	1:128:C:LEU:HD13	10	0.13
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD11	13	0.13
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD12	13	0.13
(1,976)	1:40:C:VAL:HG11	1:126:C:LEU:HD13	13	0.13
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD11	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD12	13	0.13
(1,976)	1:40:C:VAL:HG12	1:126:C:LEU:HD13	13	0.13
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD11	13	0.13
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD12	13	0.13
(1,976)	1:40:C:VAL:HG13	1:126:C:LEU:HD13	13	0.13
(1,969)	1:39:C:GLU:H	1:40:C:VAL:H	19	0.13
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	2	0.13
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	6	0.13
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD11	14	0.13
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD12	14	0.13
(1,958)	1:31:C:VAL:HG21	1:68:C:LEU:HD13	14	0.13
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD11	14	0.13
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD12	14	0.13
(1,958)	1:31:C:VAL:HG22	1:68:C:LEU:HD13	14	0.13
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD11	14	0.13
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD12	14	0.13
(1,958)	1:31:C:VAL:HG23	1:68:C:LEU:HD13	14	0.13
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	12	0.13
(1,928)	1:22:C:SER:H	1:79:C:GLN:H	15	0.13
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	7	0.13
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	17	0.13
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	15	0.13
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	15	0.13
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	15	0.13
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	15	0.13
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	15	0.13
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	15	0.13
(1,883)	1:12:C:GLN:H	1:85:C:SER:H	4	0.13
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	9	0.13
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	14	0.13
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	6	0.13
(1,873)	1:10:C:THR:H	1:11:C:PHE:H	16	0.13
(1,868)	1:139:B:ASN:H	1:141:B:LEU:H	17	0.13
(1,855)	1:136:B:LEU:H	1:139:B:ASN:H	4	0.13
(1,841)	1:133:B:PHE:H	1:134:B:ASP:H	1	0.13
(1,814)	1:116:B:SER:H	1:117:B:MET:H	19	0.13
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	18	0.13
(1,785)	1:99:B:GLY:H	1:102:B:CYS:H	12	0.13
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	10	0.13
(1,773)	1:96:B:HIS:H	1:99:B:GLY:H	5	0.13
(1,773)	1:96:B:HIS:H	1:99:B:GLY:H	7	0.13
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:95:B:ALA:H	1:98:B:LEU:H	17	0.13
(1,757)	1:92:B:THR:H	1:93:B:GLN:H	11	0.13
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	6	0.13
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	6	0.13
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	6	0.13
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE1	10	0.13
(1,717)	1:74:B:PHE:HE1	1:123:B:PHE:HE2	10	0.13
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE1	10	0.13
(1,717)	1:74:B:PHE:HE2	1:123:B:PHE:HE2	10	0.13
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE1	4	0.13
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE2	4	0.13
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE1	4	0.13
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE2	4	0.13
(1,702)	1:69:B:GLY:H	1:71:B:GLU:H	3	0.13
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	19	0.13
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	1	0.13
(1,655)	1:62:B:VAL:H	1:78:B:VAL:H	15	0.13
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	9	0.13
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	2	0.13
(1,625)	1:58:B:VAL:H	1:84:B:PHE:H	12	0.13
(1,592)	1:51:B:LEU:H	1:52:B:ALA:H	9	0.13
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	1	0.13
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	14	0.13
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	14	0.13
(1,559)	1:43:B:ASP:H	1:63:B:THR:H	13	0.13
(1,542)	1:42:B:LEU:H	1:65:B:THR:H	6	0.13
(1,508)	1:28:B:ALA:H	1:31:B:VAL:H	3	0.13
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	2	0.13
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	2	0.13
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	15	0.13
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	12	0.13
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	4	0.13
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	4	0.13
(1,443)	1:11:B:PHE:HD1	1:12:B:GLN:H	14	0.13
(1,443)	1:11:B:PHE:HD2	1:12:B:GLN:H	14	0.13
(1,430)	1:139:A:ASN:H	1:140:A:TYR:H	12	0.13
(1,395)	1:122:A:THR:H	1:18:B:THR:H	15	0.13
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	18	0.13
(1,359)	1:110:A:ALA:H	1:112:A:GLU:H	5	0.13
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	8	0.13
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	13	0.13
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	6	0.13
(1,333)	1:96:A:HIS:H	1:99:A:GLY:H	11	0.13
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD21	5	0.13
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD22	5	0.13
(1,325)	1:94:A:MET:HE1	1:98:A:LEU:HD23	5	0.13
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD21	5	0.13
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD22	5	0.13
(1,325)	1:94:A:MET:HE2	1:98:A:LEU:HD23	5	0.13
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD21	5	0.13
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD22	5	0.13
(1,325)	1:94:A:MET:HE3	1:98:A:LEU:HD23	5	0.13
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	6	0.13
(1,167)	1:51:A:LEU:H	1:55:A:VAL:H	10	0.13
(1,166)	1:51:A:LEU:H	1:52:A:ALA:H	17	0.13
(1,158)	1:48:A:SER:H	1:59:A:VAL:H	1	0.13
(1,152)	1:47:A:ALA:H	1:48:A:SER:H	20	0.13
(1,150)	1:45:A:ASP:H	1:61:A:ARG:H	1	0.13
(1,139)	1:43:A:ASP:H	1:44:A:LEU:H	1	0.13
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	12	0.13
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	3	0.13
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	11	0.13
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	18	0.13
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	3	0.13
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	18	0.13
(1,26)	1:14:A:GLN:H	1:84:A:PHE:H	4	0.13
(1,25)	1:14:A:GLN:H	1:83:A:ILE:H	2	0.13
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	20	0.12
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	20	0.12
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	20	0.12
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	20	0.12
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	20	0.12
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	20	0.12
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	20	0.12
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	20	0.12
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	20	0.12
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	2	0.12
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	2	0.12
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	2	0.12
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	2	0.12
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	2	0.12
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	2	0.12
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	2	0.12
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	2	0.12
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE1	18	0.12
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE2	18	0.12
(1,1720)	1:89:A:ILE:HD11	2:174:G:MET:HE3	18	0.12
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE1	18	0.12
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE2	18	0.12
(1,1720)	1:89:A:ILE:HD12	2:174:G:MET:HE3	18	0.12
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE1	18	0.12
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE2	18	0.12
(1,1720)	1:89:A:ILE:HD13	2:174:G:MET:HE3	18	0.12
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG11	20	0.12
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG12	20	0.12
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG13	20	0.12
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG11	20	0.12
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG12	20	0.12
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG13	20	0.12
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG11	20	0.12
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG12	20	0.12
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG13	20	0.12
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB1	17	0.12
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB2	17	0.12
(1,1711)	1:40:B:VAL:HG21	2:189:F:ALA:HB3	17	0.12
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB1	17	0.12
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB2	17	0.12
(1,1711)	1:40:B:VAL:HG22	2:189:F:ALA:HB3	17	0.12
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB1	17	0.12
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB2	17	0.12
(1,1711)	1:40:B:VAL:HG23	2:189:F:ALA:HB3	17	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	9	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	9	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	9	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	9	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	9	0.12
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	9	0.12
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	9	0.12
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	9	0.12
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	9	0.12
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	9	0.12
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	9	0.12
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	9	0.12
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD21	10	0.12
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD22	10	0.12
(1,1707)	1:44:B:LEU:HD11	2:186:F:LEU:HD23	10	0.12
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD21	10	0.12
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD22	10	0.12
(1,1707)	1:44:B:LEU:HD12	2:186:F:LEU:HD23	10	0.12
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD21	10	0.12
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD22	10	0.12
(1,1707)	1:44:B:LEU:HD13	2:186:F:LEU:HD23	10	0.12
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD11	14	0.12
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD12	14	0.12
(1,1705)	1:42:B:LEU:HD21	2:187:F:ILE:HD13	14	0.12
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD11	14	0.12
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD12	14	0.12
(1,1705)	1:42:B:LEU:HD22	2:187:F:ILE:HD13	14	0.12
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD11	14	0.12
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD12	14	0.12
(1,1705)	1:42:B:LEU:HD23	2:187:F:ILE:HD13	14	0.12
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD11	17	0.12
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD12	17	0.12
(1,1703)	1:129:B:ALA:HB1	2:187:F:ILE:HD13	17	0.12
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD11	17	0.12
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD12	17	0.12
(1,1703)	1:129:B:ALA:HB2	2:187:F:ILE:HD13	17	0.12
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD11	17	0.12
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD12	17	0.12
(1,1703)	1:129:B:ALA:HB3	2:187:F:ILE:HD13	17	0.12
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE1	20	0.12
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE2	20	0.12
(1,1698)	1:86:B:ILE:HD11	2:174:F:MET:HE3	20	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE1	20	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE2	20	0.12
(1,1698)	1:86:B:ILE:HD12	2:174:F:MET:HE3	20	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE1	20	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE2	20	0.12
(1,1698)	1:86:B:ILE:HD13	2:174:F:MET:HE3	20	0.12
(1,1694)	1:131:B:VAL:HG11	2:207:E:VAL:HG21	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:131:B:VAL:HG11	2:207:E:VAL:HG22	6	0.12
(1,1694)	1:131:B:VAL:HG11	2:207:E:VAL:HG23	6	0.12
(1,1694)	1:131:B:VAL:HG12	2:207:E:VAL:HG21	6	0.12
(1,1694)	1:131:B:VAL:HG12	2:207:E:VAL:HG22	6	0.12
(1,1694)	1:131:B:VAL:HG12	2:207:E:VAL:HG23	6	0.12
(1,1694)	1:131:B:VAL:HG13	2:207:E:VAL:HG21	6	0.12
(1,1694)	1:131:B:VAL:HG13	2:207:E:VAL:HG22	6	0.12
(1,1694)	1:131:B:VAL:HG13	2:207:E:VAL:HG23	6	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD11	11	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD12	11	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD13	11	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD21	11	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD22	11	0.12
(1,1686)	1:87:C:ALA:HB1	2:173:E:LEU:HD23	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD11	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD12	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD13	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD21	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD22	11	0.12
(1,1686)	1:87:C:ALA:HB2	2:173:E:LEU:HD23	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD11	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD12	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD13	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD21	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD22	11	0.12
(1,1686)	1:87:C:ALA:HB3	2:173:E:LEU:HD23	11	0.12
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	13	0.12
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	13	0.12
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	13	0.12
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	13	0.12
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	13	0.12
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	13	0.12
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	13	0.12
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	13	0.12
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	13	0.12
(1,1684)	1:44:C:LEU:HD11	2:186:E:LEU:HD21	9	0.12
(1,1684)	1:44:C:LEU:HD11	2:186:E:LEU:HD22	9	0.12
(1,1684)	1:44:C:LEU:HD11	2:186:E:LEU:HD23	9	0.12
(1,1684)	1:44:C:LEU:HD12	2:186:E:LEU:HD21	9	0.12
(1,1684)	1:44:C:LEU:HD12	2:186:E:LEU:HD22	9	0.12
(1,1684)	1:44:C:LEU:HD12	2:186:E:LEU:HD23	9	0.12
(1,1684)	1:44:C:LEU:HD13	2:186:E:LEU:HD21	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:44:C:LEU:HD13	2:186:E:LEU:HD22	9	0.12
(1,1684)	1:44:C:LEU:HD13	2:186:E:LEU:HD23	9	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	14	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	14	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	14	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	14	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	14	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	14	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	14	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	14	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	14	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	20	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	20	0.12
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	20	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	20	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	20	0.12
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	20	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	20	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	20	0.12
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	20	0.12
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE1	5	0.12
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE2	5	0.12
(1,1675)	1:86:C:ILE:HD11	2:174:E:MET:HE3	5	0.12
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE1	5	0.12
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE2	5	0.12
(1,1675)	1:86:C:ILE:HD12	2:174:E:MET:HE3	5	0.12
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE1	5	0.12
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE2	5	0.12
(1,1675)	1:86:C:ILE:HD13	2:174:E:MET:HE3	5	0.12
(1,1653)	1:135:D:ALA:H	1:136:D:LEU:H	13	0.12
(1,1639)	1:126:D:LEU:H	1:127:D:ASN:H	14	0.12
(1,1616)	1:114:D:ILE:H	1:116:D:SER:H	5	0.12
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	7	0.12
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	9	0.12
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	9	0.12
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	9	0.12
(1,1571)	1:95:D:ALA:H	1:97:D:CYS:H	4	0.12
(1,1562)	1:92:D:THR:H	1:93:D:GLN:H	10	0.12
(1,1550)	1:87:D:ALA:H	1:89:D:ILE:H	2	0.12
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	12	0.12
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	19	0.12
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1413)	1:51:D:LEU:H	1:55:D:VAL:H	13	0.12
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	14	0.12
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	15	0.12
(1,1411)	1:50:D:GLN:H	1:57:D:GLU:H	15	0.12
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE1	5	0.12
(1,1410)	1:50:D:GLN:H	1:56:D:TYR:HE2	5	0.12
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD1	1	0.12
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD2	1	0.12
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD1	12	0.12
(1,1409)	1:50:D:GLN:H	1:56:D:TYR:HD2	12	0.12
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	19	0.12
(1,1404)	1:49:D:SER:H	1:50:D:GLN:H	20	0.12
(1,1403)	1:48:D:SER:H	1:59:D:VAL:H	6	0.12
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD21	19	0.12
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD22	19	0.12
(1,1373)	1:40:D:VAL:HG11	1:128:D:LEU:HD23	19	0.12
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD21	19	0.12
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD22	19	0.12
(1,1373)	1:40:D:VAL:HG12	1:128:D:LEU:HD23	19	0.12
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD21	19	0.12
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD22	19	0.12
(1,1373)	1:40:D:VAL:HG13	1:128:D:LEU:HD23	19	0.12
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG11	17	0.12
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG12	17	0.12
(1,1370)	1:40:D:VAL:HG11	1:64:D:VAL:HG13	17	0.12
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG11	17	0.12
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG12	17	0.12
(1,1370)	1:40:D:VAL:HG12	1:64:D:VAL:HG13	17	0.12
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG11	17	0.12
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG12	17	0.12
(1,1370)	1:40:D:VAL:HG13	1:64:D:VAL:HG13	17	0.12
(1,1351)	1:31:D:VAL:HG21	1:68:D:LEU:HD11	19	0.12
(1,1351)	1:31:D:VAL:HG21	1:68:D:LEU:HD12	19	0.12
(1,1351)	1:31:D:VAL:HG21	1:68:D:LEU:HD13	19	0.12
(1,1351)	1:31:D:VAL:HG22	1:68:D:LEU:HD11	19	0.12
(1,1351)	1:31:D:VAL:HG22	1:68:D:LEU:HD12	19	0.12
(1,1351)	1:31:D:VAL:HG22	1:68:D:LEU:HD13	19	0.12
(1,1351)	1:31:D:VAL:HG23	1:68:D:LEU:HD11	19	0.12
(1,1351)	1:31:D:VAL:HG23	1:68:D:LEU:HD12	19	0.12
(1,1351)	1:31:D:VAL:HG23	1:68:D:LEU:HD13	19	0.12
(1,1318)	1:20:D:ASP:H	1:79:D:GLN:H	19	0.12
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	7	0.12
(1,1285)	1:11:D:PHE:HE1	1:12:D:GLN:H	7	0.12
(1,1285)	1:11:D:PHE:HE2	1:12:D:GLN:H	7	0.12
(1,1263)	1:136:C:LEU:H	1:138:C:MET:H	19	0.12
(1,1255)	1:133:C:PHE:HD1	1:134:C:ASP:H	8	0.12
(1,1255)	1:133:C:PHE:HD2	1:134:C:ASP:H	8	0.12
(1,1228)	1:117:C:MET:HE1	1:21:D:ILE:HD11	2	0.12
(1,1228)	1:117:C:MET:HE1	1:21:D:ILE:HD12	2	0.12
(1,1228)	1:117:C:MET:HE1	1:21:D:ILE:HD13	2	0.12
(1,1228)	1:117:C:MET:HE2	1:21:D:ILE:HD11	2	0.12
(1,1228)	1:117:C:MET:HE2	1:21:D:ILE:HD12	2	0.12
(1,1228)	1:117:C:MET:HE2	1:21:D:ILE:HD13	2	0.12
(1,1228)	1:117:C:MET:HE3	1:21:D:ILE:HD11	2	0.12
(1,1228)	1:117:C:MET:HE3	1:21:D:ILE:HD12	2	0.12
(1,1228)	1:117:C:MET:HE3	1:21:D:ILE:HD13	2	0.12
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	12	0.12
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	4	0.12
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	20	0.12
(1,1202)	1:109:C:TYR:H	1:110:C:ALA:H	17	0.12
(1,1175)	1:91:C:GLY:H	1:94:C:MET:H	6	0.12
(1,1166)	1:88:C:GLY:H	1:89:C:ILE:H	5	0.12
(1,1148)	1:79:C:GLN:H	1:80:C:GLN:H	3	0.12
(1,1148)	1:79:C:GLN:H	1:80:C:GLN:H	9	0.12
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	16	0.12
(1,1091)	1:64:C:VAL:HG21	1:114:C:ILE:HD11	6	0.12
(1,1091)	1:64:C:VAL:HG21	1:114:C:ILE:HD12	6	0.12
(1,1091)	1:64:C:VAL:HG21	1:114:C:ILE:HD13	6	0.12
(1,1091)	1:64:C:VAL:HG22	1:114:C:ILE:HD11	6	0.12
(1,1091)	1:64:C:VAL:HG22	1:114:C:ILE:HD12	6	0.12
(1,1091)	1:64:C:VAL:HG22	1:114:C:ILE:HD13	6	0.12
(1,1091)	1:64:C:VAL:HG23	1:114:C:ILE:HD11	6	0.12
(1,1091)	1:64:C:VAL:HG23	1:114:C:ILE:HD12	6	0.12
(1,1091)	1:64:C:VAL:HG23	1:114:C:ILE:HD13	6	0.12
(1,1074)	1:62:C:VAL:H	1:78:C:VAL:H	13	0.12
(1,1044)	1:56:C:TYR:H	1:86:C:ILE:H	15	0.12
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD1	10	0.12
(1,1038)	1:55:C:VAL:H	1:56:C:TYR:HD2	10	0.12
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	12	0.12
(1,1015)	1:49:C:SER:H	1:57:C:GLU:H	17	0.12
(1,1013)	1:48:C:SER:H	1:59:C:VAL:H	11	0.12
(1,988)	1:42:C:LEU:H	1:65:C:THR:H	10	0.12
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD21	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD22	2	0.12
(1,978)	1:40:C:VAL:HG11	1:128:C:LEU:HD23	2	0.12
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD21	2	0.12
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD22	2	0.12
(1,978)	1:40:C:VAL:HG12	1:128:C:LEU:HD23	2	0.12
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD21	2	0.12
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD22	2	0.12
(1,978)	1:40:C:VAL:HG13	1:128:C:LEU:HD23	2	0.12
(1,963)	1:33:C:GLN:H	1:34:C:LYS:H	8	0.12
(1,957)	1:31:C:VAL:HG21	1:36:C:TRP:HE1	13	0.12
(1,957)	1:31:C:VAL:HG22	1:36:C:TRP:HE1	13	0.12
(1,957)	1:31:C:VAL:HG23	1:36:C:TRP:HE1	13	0.12
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	20	0.12
(1,941)	1:24:C:GLU:H	1:21:D:ILE:H	1	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	1	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	1	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	1	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	1	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	1	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	1	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	7	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	7	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	7	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	7	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	7	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	7	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	17	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	17	0.12
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	17	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	17	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	17	0.12
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	17	0.12
(1,882)	1:12:C:GLN:H	1:13:C:ILE:H	11	0.12
(1,872)	1:9:C:MET:H	1:89:C:ILE:H	6	0.12
(1,868)	1:139:B:ASN:H	1:141:B:LEU:H	20	0.12
(1,860)	1:137:B:PHE:H	1:139:B:ASN:H	9	0.12
(1,814)	1:116:B:SER:H	1:117:B:MET:H	7	0.12
(1,814)	1:116:B:SER:H	1:117:B:MET:H	12	0.12
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	4	0.12
(1,793)	1:109:B:TYR:H	1:110:B:ALA:H	16	0.12
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	6	0.12
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	12	0.12
(1,780)	1:98:B:LEU:H	1:101:B:TYR:H	3	0.12
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	11	0.12
(1,683)	1:66:B:ALA:H	1:73:B:ALA:H	7	0.12
(1,675)	1:64:B:VAL:HG21	1:76:B:CYS:H	4	0.12
(1,675)	1:64:B:VAL:HG22	1:76:B:CYS:H	4	0.12
(1,675)	1:64:B:VAL:HG23	1:76:B:CYS:H	4	0.12
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD11	8	0.12
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD12	8	0.12
(1,672)	1:64:B:VAL:HG11	1:126:B:LEU:HD13	8	0.12
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD11	8	0.12
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD12	8	0.12
(1,672)	1:64:B:VAL:HG12	1:126:B:LEU:HD13	8	0.12
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD11	8	0.12
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD12	8	0.12
(1,672)	1:64:B:VAL:HG13	1:126:B:LEU:HD13	8	0.12
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	10	0.12
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD11	5	0.12
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD12	5	0.12
(1,617)	1:56:B:TYR:HD1	1:86:B:ILE:HD13	5	0.12
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD11	5	0.12
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD12	5	0.12
(1,617)	1:56:B:TYR:HD2	1:86:B:ILE:HD13	5	0.12
(1,597)	1:51:B:LEU:H	1:57:B:GLU:H	20	0.12
(1,593)	1:51:B:LEU:H	1:55:B:VAL:H	1	0.12
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	19	0.12
(1,578)	1:47:B:ALA:H	1:48:B:SER:H	1	0.12
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	2	0.12
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	6	0.12
(1,562)	1:43:B:ASP:H	1:65:B:THR:H	15	0.12
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD11	18	0.12
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD12	18	0.12
(1,543)	1:42:B:LEU:H	1:126:B:LEU:HD13	18	0.12
(1,538)	1:41:B:LYS:H	1:65:B:THR:H	7	0.12
(1,537)	1:41:B:LYS:H	1:64:B:VAL:HG11	9	0.12
(1,537)	1:41:B:LYS:H	1:64:B:VAL:HG12	9	0.12
(1,537)	1:41:B:LYS:H	1:64:B:VAL:HG13	9	0.12
(1,520)	1:34:B:LYS:H	1:35:B:ASP:H	2	0.12
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	11	0.12
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	11	0.12
(1,487)	1:21:B:ILE:HD11	1:79:B:GLN:H	15	0.12
(1,487)	1:21:B:ILE:HD12	1:79:B:GLN:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:21:B:ILE:HD13	1:79:B:GLN:H	15	0.12
(1,482)	1:20:B:ASP:H	1:81:B:GLY:H	13	0.12
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	10	0.12
(1,478)	1:19:B:LYS:H	1:81:B:GLY:H	11	0.12
(1,463)	1:14:B:GLN:H	1:85:B:SER:H	10	0.12
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	15	0.12
(1,422)	1:137:A:PHE:H	1:139:A:ASN:H	8	0.12
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	4	0.12
(1,369)	1:113:A:CYS:H	1:115:A:THR:H	5	0.12
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	7	0.12
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	17	0.12
(1,350)	1:101:A:TYR:H	1:102:A:CYS:H	4	0.12
(1,345)	1:99:A:GLY:H	1:101:A:TYR:H	2	0.12
(1,345)	1:99:A:GLY:H	1:101:A:TYR:H	15	0.12
(1,339)	1:98:A:LEU:H	1:100:A:ALA:H	7	0.12
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	11	0.12
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	3	0.12
(1,316)	1:92:A:THR:H	1:93:A:GLN:H	6	0.12
(1,316)	1:92:A:THR:H	1:93:A:GLN:H	14	0.12
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE1	13	0.12
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE2	13	0.12
(1,311)	1:89:A:ILE:HD11	1:94:A:MET:HE3	13	0.12
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE1	13	0.12
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE2	13	0.12
(1,311)	1:89:A:ILE:HD12	1:94:A:MET:HE3	13	0.12
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE1	13	0.12
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE2	13	0.12
(1,311)	1:89:A:ILE:HD13	1:94:A:MET:HE3	13	0.12
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	3	0.12
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	10	0.12
(1,261)	1:69:A:GLY:H	1:71:A:GLU:H	6	0.12
(1,256)	1:68:A:LEU:H	1:73:A:ALA:H	17	0.12
(1,252)	1:67:A:SER:H	1:73:A:ALA:H	20	0.12
(1,251)	1:67:A:SER:H	1:69:A:GLY:H	10	0.12
(1,237)	1:65:A:THR:H	1:76:A:CYS:H	2	0.12
(1,217)	1:62:A:VAL:H	1:63:A:THR:H	17	0.12
(1,183)	1:55:A:VAL:H	1:56:A:TYR:H	19	0.12
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE1	19	0.12
(1,164)	1:50:A:GLN:H	1:56:A:TYR:HE2	19	0.12
(1,162)	1:49:A:SER:H	1:59:A:VAL:H	13	0.12
(1,138)	1:42:A:LEU:HD21	1:128:A:LEU:HD21	9	0.12
(1,138)	1:42:A:LEU:HD21	1:128:A:LEU:HD22	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:42:A:LEU:HD21	1:128:A:LEU:HD23	9	0.12
(1,138)	1:42:A:LEU:HD22	1:128:A:LEU:HD21	9	0.12
(1,138)	1:42:A:LEU:HD22	1:128:A:LEU:HD22	9	0.12
(1,138)	1:42:A:LEU:HD22	1:128:A:LEU:HD23	9	0.12
(1,138)	1:42:A:LEU:HD23	1:128:A:LEU:HD21	9	0.12
(1,138)	1:42:A:LEU:HD23	1:128:A:LEU:HD22	9	0.12
(1,138)	1:42:A:LEU:HD23	1:128:A:LEU:HD23	9	0.12
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD11	8	0.12
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD12	8	0.12
(1,129)	1:40:A:VAL:HG21	1:126:A:LEU:HD13	8	0.12
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD11	8	0.12
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD12	8	0.12
(1,129)	1:40:A:VAL:HG22	1:126:A:LEU:HD13	8	0.12
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD11	8	0.12
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD12	8	0.12
(1,129)	1:40:A:VAL:HG23	1:126:A:LEU:HD13	8	0.12
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG11	4	0.12
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG12	4	0.12
(1,124)	1:40:A:VAL:HG11	1:64:A:VAL:HG13	4	0.12
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG11	4	0.12
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG12	4	0.12
(1,124)	1:40:A:VAL:HG12	1:64:A:VAL:HG13	4	0.12
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG11	4	0.12
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG12	4	0.12
(1,124)	1:40:A:VAL:HG13	1:64:A:VAL:HG13	4	0.12
(1,116)	1:39:A:GLU:H	1:40:A:VAL:H	1	0.12
(1,101)	1:33:A:GLN:H	1:34:A:LYS:H	8	0.12
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD11	9	0.12
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD12	9	0.12
(1,95)	1:31:A:VAL:HG21	1:68:A:LEU:HD13	9	0.12
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD11	9	0.12
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD12	9	0.12
(1,95)	1:31:A:VAL:HG22	1:68:A:LEU:HD13	9	0.12
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD11	9	0.12
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD12	9	0.12
(1,95)	1:31:A:VAL:HG23	1:68:A:LEU:HD13	9	0.12
(1,86)	1:30:A:HIS:H	1:32:A:PHE:H	20	0.12
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	16	0.12
(1,75)	1:24:A:GLU:H	1:75:A:LEU:H	14	0.12
(1,3)	1:10:A:THR:H	1:11:A:PHE:H	20	0.12
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG11	11	0.11
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG12	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:135:A:ALA:HB1	2:207:H:VAL:HG13	11	0.11
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG11	11	0.11
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG12	11	0.11
(1,1763)	1:135:A:ALA:HB2	2:207:H:VAL:HG13	11	0.11
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG11	11	0.11
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG12	11	0.11
(1,1763)	1:135:A:ALA:HB3	2:207:H:VAL:HG13	11	0.11
(1,1759)	1:46:D:THR:HG21	2:177:H:LEU:HD21	6	0.11
(1,1759)	1:46:D:THR:HG21	2:177:H:LEU:HD22	6	0.11
(1,1759)	1:46:D:THR:HG21	2:177:H:LEU:HD23	6	0.11
(1,1759)	1:46:D:THR:HG22	2:177:H:LEU:HD21	6	0.11
(1,1759)	1:46:D:THR:HG22	2:177:H:LEU:HD22	6	0.11
(1,1759)	1:46:D:THR:HG22	2:177:H:LEU:HD23	6	0.11
(1,1759)	1:46:D:THR:HG23	2:177:H:LEU:HD21	6	0.11
(1,1759)	1:46:D:THR:HG23	2:177:H:LEU:HD22	6	0.11
(1,1759)	1:46:D:THR:HG23	2:177:H:LEU:HD23	6	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD11	7	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD12	7	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD13	7	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD21	7	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD22	7	0.11
(1,1755)	1:87:D:ALA:HB1	2:173:H:LEU:HD23	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD11	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD12	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD13	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD21	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD22	7	0.11
(1,1755)	1:87:D:ALA:HB2	2:173:H:LEU:HD23	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD11	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD12	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD13	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD21	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD22	7	0.11
(1,1755)	1:87:D:ALA:HB3	2:173:H:LEU:HD23	7	0.11
(1,1749)	1:129:D:ALA:HB1	2:187:H:ILE:HD11	7	0.11
(1,1749)	1:129:D:ALA:HB1	2:187:H:ILE:HD12	7	0.11
(1,1749)	1:129:D:ALA:HB1	2:187:H:ILE:HD13	7	0.11
(1,1749)	1:129:D:ALA:HB2	2:187:H:ILE:HD11	7	0.11
(1,1749)	1:129:D:ALA:HB2	2:187:H:ILE:HD12	7	0.11
(1,1749)	1:129:D:ALA:HB2	2:187:H:ILE:HD13	7	0.11
(1,1749)	1:129:D:ALA:HB3	2:187:H:ILE:HD11	7	0.11
(1,1749)	1:129:D:ALA:HB3	2:187:H:ILE:HD12	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:129:D:ALA:HB3	2:187:H:ILE:HD13	7	0.11
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE1	4	0.11
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE2	4	0.11
(1,1748)	1:94:D:MET:HE1	2:174:H:MET:HE3	4	0.11
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE1	4	0.11
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE2	4	0.11
(1,1748)	1:94:D:MET:HE2	2:174:H:MET:HE3	4	0.11
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE1	4	0.11
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE2	4	0.11
(1,1748)	1:94:D:MET:HE3	2:174:H:MET:HE3	4	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	10	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	10	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	10	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	10	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	10	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	10	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	10	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	10	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	10	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB1	17	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB2	17	0.11
(1,1746)	1:89:D:ILE:HD11	2:172:H:ALA:HB3	17	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB1	17	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB2	17	0.11
(1,1746)	1:89:D:ILE:HD12	2:172:H:ALA:HB3	17	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB1	17	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB2	17	0.11
(1,1746)	1:89:D:ILE:HD13	2:172:H:ALA:HB3	17	0.11
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD21	7	0.11
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD22	7	0.11
(1,1745)	1:86:D:ILE:HD11	2:173:H:LEU:HD23	7	0.11
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD21	7	0.11
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD22	7	0.11
(1,1745)	1:86:D:ILE:HD12	2:173:H:LEU:HD23	7	0.11
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD21	7	0.11
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD22	7	0.11
(1,1745)	1:86:D:ILE:HD13	2:173:H:LEU:HD23	7	0.11
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE1	9	0.11
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE2	9	0.11
(1,1743)	1:89:D:ILE:HD11	2:174:H:MET:HE3	9	0.11
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE1	9	0.11
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:89:D:ILE:HD12	2:174:H:MET:HE3	9	0.11
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE1	9	0.11
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE2	9	0.11
(1,1743)	1:89:D:ILE:HD13	2:174:H:MET:HE3	9	0.11
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD21	18	0.11
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD22	18	0.11
(1,1729)	1:131:A:VAL:HG11	2:186:G:LEU:HD23	18	0.11
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD21	18	0.11
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD22	18	0.11
(1,1729)	1:131:A:VAL:HG12	2:186:G:LEU:HD23	18	0.11
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD21	18	0.11
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD22	18	0.11
(1,1729)	1:131:A:VAL:HG13	2:186:G:LEU:HD23	18	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD11	16	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD12	16	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD13	16	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD11	16	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD12	16	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD13	16	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD11	16	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD12	16	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD13	16	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD11	20	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD12	20	0.11
(1,1727)	1:128:A:LEU:HD21	2:187:G:ILE:HD13	20	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD11	20	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD12	20	0.11
(1,1727)	1:128:A:LEU:HD22	2:187:G:ILE:HD13	20	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD11	20	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD12	20	0.11
(1,1727)	1:128:A:LEU:HD23	2:187:G:ILE:HD13	20	0.11
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE1	8	0.11
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE2	8	0.11
(1,1721)	1:86:A:ILE:HD11	2:174:G:MET:HE3	8	0.11
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE1	8	0.11
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE2	8	0.11
(1,1721)	1:86:A:ILE:HD12	2:174:G:MET:HE3	8	0.11
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE1	8	0.11
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE2	8	0.11
(1,1721)	1:86:A:ILE:HD13	2:174:G:MET:HE3	8	0.11
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG11	14	0.11
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG12	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:135:C:ALA:HB1	2:207:F:VAL:HG13	14	0.11
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG11	14	0.11
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG12	14	0.11
(1,1718)	1:135:C:ALA:HB2	2:207:F:VAL:HG13	14	0.11
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG11	14	0.11
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG12	14	0.11
(1,1718)	1:135:C:ALA:HB3	2:207:F:VAL:HG13	14	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD11	15	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD12	15	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD13	15	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD21	15	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD22	15	0.11
(1,1701)	1:94:B:MET:HE1	2:173:F:LEU:HD23	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD11	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD12	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD13	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD21	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD22	15	0.11
(1,1701)	1:94:B:MET:HE2	2:173:F:LEU:HD23	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD11	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD12	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD13	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD21	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD22	15	0.11
(1,1701)	1:94:B:MET:HE3	2:173:F:LEU:HD23	15	0.11
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB1	18	0.11
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB2	18	0.11
(1,1700)	1:89:B:ILE:HD11	2:172:F:ALA:HB3	18	0.11
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB1	18	0.11
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB2	18	0.11
(1,1700)	1:89:B:ILE:HD12	2:172:F:ALA:HB3	18	0.11
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB1	18	0.11
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB2	18	0.11
(1,1700)	1:89:B:ILE:HD13	2:172:F:ALA:HB3	18	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	3	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	3	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	3	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	3	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	3	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	3	0.11
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	3	0.11
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	3	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD21	13	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD22	13	0.11
(1,1699)	1:86:B:ILE:HD11	2:173:F:LEU:HD23	13	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD21	13	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD22	13	0.11
(1,1699)	1:86:B:ILE:HD12	2:173:F:LEU:HD23	13	0.11
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD21	13	0.11
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD22	13	0.11
(1,1699)	1:86:B:ILE:HD13	2:173:F:LEU:HD23	13	0.11
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG11	16	0.11
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG12	16	0.11
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG13	16	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG11	16	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG12	16	0.11
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG13	16	0.11
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG11	16	0.11
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG12	16	0.11
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG13	16	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	2	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	2	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	2	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	2	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	2	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	2	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	2	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	2	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	2	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE1	14	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE2	14	0.11
(1,1685)	1:87:C:ALA:HB1	2:174:E:MET:HE3	14	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE1	14	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE2	14	0.11
(1,1685)	1:87:C:ALA:HB2	2:174:E:MET:HE3	14	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE1	14	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE2	14	0.11
(1,1685)	1:87:C:ALA:HB3	2:174:E:MET:HE3	14	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD21	18	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD22	18	0.11
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD23	18	0.11
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD21	18	0.11
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD23	18	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD21	18	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD22	18	0.11
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD23	18	0.11
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD11	18	0.11
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD12	18	0.11
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD13	18	0.11
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD11	18	0.11
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD12	18	0.11
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD13	18	0.11
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD11	18	0.11
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD12	18	0.11
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD13	18	0.11
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB1	2	0.11
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB2	2	0.11
(1,1677)	1:89:C:ILE:HD11	2:172:E:ALA:HB3	2	0.11
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB1	2	0.11
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB2	2	0.11
(1,1677)	1:89:C:ILE:HD12	2:172:E:ALA:HB3	2	0.11
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB1	2	0.11
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB2	2	0.11
(1,1677)	1:89:C:ILE:HD13	2:172:E:ALA:HB3	2	0.11
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE1	9	0.11
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE2	9	0.11
(1,1674)	1:89:C:ILE:HD11	2:174:E:MET:HE3	9	0.11
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE1	9	0.11
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE2	9	0.11
(1,1674)	1:89:C:ILE:HD12	2:174:E:MET:HE3	9	0.11
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE1	9	0.11
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE2	9	0.11
(1,1674)	1:89:C:ILE:HD13	2:174:E:MET:HE3	9	0.11
(1,1648)	1:133:D:PHE:H	1:136:D:LEU:H	6	0.11
(1,1636)	1:121:D:GLY:H	1:123:D:PHE:H	9	0.11
(1,1605)	1:110:D:ALA:H	1:112:D:GLU:H	12	0.11
(1,1587)	1:99:D:GLY:H	1:100:D:ALA:H	8	0.11
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	7	0.11
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	8	0.11
(1,1563)	1:92:D:THR:H	1:94:D:MET:H	17	0.11
(1,1562)	1:92:D:THR:H	1:93:D:GLN:H	3	0.11
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	10	0.11
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	11	0.11
(1,1549)	1:87:D:ALA:H	1:88:D:GLY:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:79:D:GLN:H	1:80:D:GLN:H	18	0.11
(1,1503)	1:70:D:GLU:H	1:71:D:GLU:H	16	0.11
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE1	5	0.11
(1,1485)	1:66:D:ALA:H	1:74:D:PHE:HE2	5	0.11
(1,1430)	1:55:D:VAL:H	1:56:D:TYR:H	4	0.11
(1,1413)	1:51:D:LEU:H	1:55:D:VAL:H	2	0.11
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	5	0.11
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	9	0.11
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	18	0.11
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	17	0.11
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	17	0.11
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	17	0.11
(1,1391)	1:45:D:ASP:H	1:46:D:THR:H	3	0.11
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	7	0.11
(1,1383)	1:43:D:ASP:H	1:44:D:LEU:H	9	0.11
(1,1378)	1:41:D:LYS:H	1:65:D:THR:H	7	0.11
(1,1365)	1:39:D:GLU:H	1:67:D:SER:H	11	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	2	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	2	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	2	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	2	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	2	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	2	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	2	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	2	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	2	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD11	4	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD12	4	0.11
(1,1347)	1:31:D:VAL:HG11	1:68:D:LEU:HD13	4	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD11	4	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD12	4	0.11
(1,1347)	1:31:D:VAL:HG12	1:68:D:LEU:HD13	4	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD11	4	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD12	4	0.11
(1,1347)	1:31:D:VAL:HG13	1:68:D:LEU:HD13	4	0.11
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	7	0.11
(1,1338)	1:28:D:ALA:H	1:30:D:HIS:H	11	0.11
(1,1333)	1:24:D:GLU:H	1:75:D:LEU:H	17	0.11
(1,1297)	1:14:D:GLN:H	1:83:D:ILE:H	17	0.11
(1,1291)	1:12:D:GLN:H	1:13:D:ILE:H	8	0.11
(1,1291)	1:12:D:GLN:H	1:13:D:ILE:H	19	0.11
(1,1274)	1:140:C:TYR:HD1	1:141:C:LEU:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:140:C:TYR:HD2	1:141:C:LEU:H	14	0.11
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	8	0.11
(1,1254)	1:133:C:PHE:H	1:135:C:ALA:H	12	0.11
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD21	9	0.11
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD22	9	0.11
(1,1238)	1:118:C:VAL:HG21	1:126:C:LEU:HD23	9	0.11
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD21	9	0.11
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD22	9	0.11
(1,1238)	1:118:C:VAL:HG22	1:126:C:LEU:HD23	9	0.11
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD21	9	0.11
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD22	9	0.11
(1,1238)	1:118:C:VAL:HG23	1:126:C:LEU:HD23	9	0.11
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	5	0.11
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	19	0.11
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	20	0.11
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	18	0.11
(1,1205)	1:110:C:ALA:H	1:111:C:ARG:H	13	0.11
(1,1199)	1:101:C:TYR:H	1:102:C:CYS:H	5	0.11
(1,1196)	1:100:C:ALA:H	1:101:C:TYR:H	8	0.11
(1,1188)	1:96:C:HIS:H	1:98:C:LEU:H	5	0.11
(1,1181)	1:94:C:MET:H	1:96:C:HIS:H	13	0.11
(1,1173)	1:90:C:GLU:H	1:94:C:MET:H	10	0.11
(1,1148)	1:79:C:GLN:H	1:80:C:GLN:H	20	0.11
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	9	0.11
(1,1107)	1:68:C:LEU:H	1:69:C:GLY:H	10	0.11
(1,1105)	1:67:C:SER:H	1:69:C:GLY:H	1	0.11
(1,1094)	1:66:C:ALA:H	1:67:C:SER:H	16	0.11
(1,1074)	1:62:C:VAL:H	1:78:C:VAL:H	17	0.11
(1,1067)	1:60:C:LEU:H	1:81:C:GLY:H	3	0.11
(1,1051)	1:58:C:VAL:H	1:84:C:PHE:H	8	0.11
(1,1009)	1:47:C:ALA:H	1:61:C:ARG:H	16	0.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD21	13	0.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD22	13	0.11
(1,1002)	1:45:C:ASP:H	1:60:C:LEU:HD23	13	0.11
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD11	18	0.11
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD12	18	0.11
(1,986)	1:41:C:LYS:H	1:126:C:LEU:HD13	18	0.11
(1,974)	1:40:C:VAL:HG11	1:41:C:LYS:H	7	0.11
(1,974)	1:40:C:VAL:HG12	1:41:C:LYS:H	7	0.11
(1,974)	1:40:C:VAL:HG13	1:41:C:LYS:H	7	0.11
(1,971)	1:39:C:GLU:H	1:68:C:LEU:H	1	0.11
(1,961)	1:32:C:PHE:H	1:34:C:LYS:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:24:C:GLU:H	1:75:C:LEU:H	11	0.11
(1,926)	1:22:C:SER:H	1:78:C:VAL:H	16	0.11
(1,917)	1:20:C:ASP:H	1:81:C:GLY:H	16	0.11
(1,916)	1:20:C:ASP:H	1:79:C:GLN:H	19	0.11
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	3	0.11
(1,865)	1:138:B:MET:H	1:141:B:LEU:H	18	0.11
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD1	7	0.11
(1,857)	1:136:B:LEU:HD21	1:137:B:PHE:HD2	7	0.11
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD1	7	0.11
(1,857)	1:136:B:LEU:HD22	1:137:B:PHE:HD2	7	0.11
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD1	7	0.11
(1,857)	1:136:B:LEU:HD23	1:137:B:PHE:HD2	7	0.11
(1,850)	1:135:B:ALA:H	1:138:B:MET:H	13	0.11
(1,842)	1:133:B:PHE:H	1:135:B:ALA:H	2	0.11
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	14	0.11
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	15	0.11
(1,774)	1:97:B:CYS:H	1:98:B:LEU:H	15	0.11
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE1	19	0.11
(1,713)	1:74:B:PHE:HD1	1:123:B:PHE:HE2	19	0.11
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE1	19	0.11
(1,713)	1:74:B:PHE:HD2	1:123:B:PHE:HE2	19	0.11
(1,697)	1:68:B:LEU:H	1:71:B:GLU:H	6	0.11
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	11	0.11
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	12	0.11
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	5	0.11
(1,666)	1:64:B:VAL:H	1:76:B:CYS:H	19	0.11
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	2	0.11
(1,654)	1:62:B:VAL:H	1:63:B:THR:H	20	0.11
(1,641)	1:60:B:LEU:H	1:80:B:GLN:H	10	0.11
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD11	19	0.11
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD12	19	0.11
(1,631)	1:58:B:VAL:HG21	1:98:B:LEU:HD13	19	0.11
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD11	19	0.11
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD12	19	0.11
(1,631)	1:58:B:VAL:HG22	1:98:B:LEU:HD13	19	0.11
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD11	19	0.11
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD12	19	0.11
(1,631)	1:58:B:VAL:HG23	1:98:B:LEU:HD13	19	0.11
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	3	0.11
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	17	0.11
(1,592)	1:51:B:LEU:H	1:52:B:ALA:H	15	0.11
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	15	0.11
(1,587)	1:49:B:SER:H	1:58:B:VAL:H	1	0.11
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB1	7	0.11
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB2	7	0.11
(1,505)	1:25:B:ALA:HB1	1:28:B:ALA:HB3	7	0.11
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB1	7	0.11
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB2	7	0.11
(1,505)	1:25:B:ALA:HB2	1:28:B:ALA:HB3	7	0.11
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB1	7	0.11
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB2	7	0.11
(1,505)	1:25:B:ALA:HB3	1:28:B:ALA:HB3	7	0.11
(1,498)	1:23:B:PHE:HE1	1:75:B:LEU:H	17	0.11
(1,498)	1:23:B:PHE:HE2	1:75:B:LEU:H	17	0.11
(1,491)	1:22:B:SER:H	1:79:B:GLN:H	14	0.11
(1,465)	1:15:B:ARG:H	1:83:B:ILE:H	9	0.11
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	18	0.11
(1,444)	1:11:B:PHE:HE1	1:12:B:GLN:H	6	0.11
(1,444)	1:11:B:PHE:HE2	1:12:B:GLN:H	6	0.11
(1,437)	1:9:B:MET:HE1	1:11:B:PHE:H	5	0.11
(1,437)	1:9:B:MET:HE2	1:11:B:PHE:H	5	0.11
(1,437)	1:9:B:MET:HE3	1:11:B:PHE:H	5	0.11
(1,432)	1:140:A:TYR:H	1:141:A:LEU:H	14	0.11
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	14	0.11
(1,426)	1:138:A:MET:H	1:139:A:ASN:H	20	0.11
(1,420)	1:136:A:LEU:H	1:139:A:ASN:H	9	0.11
(1,416)	1:135:A:ALA:H	1:137:A:PHE:H	13	0.11
(1,397)	1:126:A:LEU:H	1:127:A:ASN:H	11	0.11
(1,395)	1:122:A:THR:H	1:18:B:THR:H	13	0.11
(1,375)	1:115:A:THR:H	1:117:A:MET:H	9	0.11
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	1	0.11
(1,359)	1:110:A:ALA:H	1:112:A:GLU:H	17	0.11
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	3	0.11
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	10	0.11
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	14	0.11
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	20	0.11
(1,350)	1:101:A:TYR:H	1:102:A:CYS:H	12	0.11
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	2	0.11
(1,341)	1:98:A:LEU:H	1:102:A:CYS:H	20	0.11
(1,338)	1:98:A:LEU:H	1:99:A:GLY:H	7	0.11
(1,335)	1:97:A:CYS:H	1:99:A:GLY:H	13	0.11
(1,334)	1:97:A:CYS:H	1:98:A:LEU:H	15	0.11
(1,318)	1:92:A:THR:H	1:95:A:ALA:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:92:A:THR:H	1:94:A:MET:H	2	0.11
(1,317)	1:92:A:THR:H	1:94:A:MET:H	8	0.11
(1,308)	1:88:A:GLY:H	1:89:A:ILE:H	20	0.11
(1,304)	1:87:A:ALA:H	1:88:A:GLY:H	1	0.11
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	12	0.11
(1,265)	1:73:A:ALA:H	1:74:A:PHE:H	19	0.11
(1,255)	1:68:A:LEU:H	1:72:A:THR:H	5	0.11
(1,238)	1:66:A:ALA:H	1:67:A:SER:H	2	0.11
(1,238)	1:66:A:ALA:H	1:67:A:SER:H	4	0.11
(1,209)	1:60:A:LEU:H	1:82:A:GLY:H	16	0.11
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD11	1	0.11
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD12	1	0.11
(1,135)	1:42:A:LEU:HD11	1:128:A:LEU:HD13	1	0.11
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD11	1	0.11
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD12	1	0.11
(1,135)	1:42:A:LEU:HD12	1:128:A:LEU:HD13	1	0.11
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD11	1	0.11
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD12	1	0.11
(1,135)	1:42:A:LEU:HD13	1:128:A:LEU:HD13	1	0.11
(1,118)	1:39:A:GLU:H	1:67:A:SER:H	19	0.11
(1,101)	1:33:A:GLN:H	1:34:A:LYS:H	13	0.11
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	16	0.11
(1,79)	1:28:A:ALA:H	1:30:A:HIS:H	2	0.11
(1,67)	1:23:A:PHE:HD1	1:24:A:GLU:H	1	0.11
(1,67)	1:23:A:PHE:HD2	1:24:A:GLU:H	1	0.11
(1,52)	1:20:A:ASP:H	1:79:A:GLN:H	1	0.11
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	14	0.11
(1,37)	1:17:A:TYR:H	1:81:A:GLY:H	20	0.11
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG11	6	0.1
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG12	6	0.1
(1,1741)	1:135:D:ALA:HB1	2:207:G:VAL:HG13	6	0.1
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG11	6	0.1
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG12	6	0.1
(1,1741)	1:135:D:ALA:HB2	2:207:G:VAL:HG13	6	0.1
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG11	6	0.1
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG12	6	0.1
(1,1741)	1:135:D:ALA:HB3	2:207:G:VAL:HG13	6	0.1
(1,1733)	1:126:A:LEU:HD11	2:189:G:ALA:HB1	16	0.1
(1,1733)	1:126:A:LEU:HD11	2:189:G:ALA:HB2	16	0.1
(1,1733)	1:126:A:LEU:HD11	2:189:G:ALA:HB3	16	0.1
(1,1733)	1:126:A:LEU:HD12	2:189:G:ALA:HB1	16	0.1
(1,1733)	1:126:A:LEU:HD12	2:189:G:ALA:HB2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:126:A:LEU:HD12	2:189:G:ALA:HB3	16	0.1
(1,1733)	1:126:A:LEU:HD13	2:189:G:ALA:HB1	16	0.1
(1,1733)	1:126:A:LEU:HD13	2:189:G:ALA:HB2	16	0.1
(1,1733)	1:126:A:LEU:HD13	2:189:G:ALA:HB3	16	0.1
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE1	18	0.1
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE2	18	0.1
(1,1725)	1:94:A:MET:HE1	2:174:G:MET:HE3	18	0.1
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE1	18	0.1
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE2	18	0.1
(1,1725)	1:94:A:MET:HE2	2:174:G:MET:HE3	18	0.1
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE1	18	0.1
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE2	18	0.1
(1,1725)	1:94:A:MET:HE3	2:174:G:MET:HE3	18	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD11	6	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD12	6	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD13	6	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD21	6	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD22	6	0.1
(1,1709)	1:87:B:ALA:HB1	2:173:F:LEU:HD23	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD11	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD12	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD13	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD21	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD22	6	0.1
(1,1709)	1:87:B:ALA:HB2	2:173:F:LEU:HD23	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD11	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD12	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD13	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD21	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD22	6	0.1
(1,1709)	1:87:B:ALA:HB3	2:173:F:LEU:HD23	6	0.1
(1,1697)	1:89:B:ILE:HD11	2:174:F:MET:HE1	8	0.1
(1,1697)	1:89:B:ILE:HD11	2:174:F:MET:HE2	8	0.1
(1,1697)	1:89:B:ILE:HD11	2:174:F:MET:HE3	8	0.1
(1,1697)	1:89:B:ILE:HD12	2:174:F:MET:HE1	8	0.1
(1,1697)	1:89:B:ILE:HD12	2:174:F:MET:HE2	8	0.1
(1,1697)	1:89:B:ILE:HD12	2:174:F:MET:HE3	8	0.1
(1,1697)	1:89:B:ILE:HD13	2:174:F:MET:HE1	8	0.1
(1,1697)	1:89:B:ILE:HD13	2:174:F:MET:HE2	8	0.1
(1,1697)	1:89:B:ILE:HD13	2:174:F:MET:HE3	8	0.1
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG11	15	0.1
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG12	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG13	15	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG11	15	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG12	15	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG13	15	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG11	15	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG12	15	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG13	15	0.1
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG11	20	0.1
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG12	20	0.1
(1,1695)	1:135:B:ALA:HB1	2:207:E:VAL:HG13	20	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG11	20	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG12	20	0.1
(1,1695)	1:135:B:ALA:HB2	2:207:E:VAL:HG13	20	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG11	20	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG12	20	0.1
(1,1695)	1:135:B:ALA:HB3	2:207:E:VAL:HG13	20	0.1
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD21	11	0.1
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD22	11	0.1
(1,1683)	1:131:C:VAL:HG11	2:186:E:LEU:HD23	11	0.1
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD21	11	0.1
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD22	11	0.1
(1,1683)	1:131:C:VAL:HG12	2:186:E:LEU:HD23	11	0.1
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD21	11	0.1
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD22	11	0.1
(1,1683)	1:131:C:VAL:HG13	2:186:E:LEU:HD23	11	0.1
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD11	13	0.1
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD12	13	0.1
(1,1681)	1:128:C:LEU:HD21	2:187:E:ILE:HD13	13	0.1
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD11	13	0.1
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD12	13	0.1
(1,1681)	1:128:C:LEU:HD22	2:187:E:ILE:HD13	13	0.1
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD11	13	0.1
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD12	13	0.1
(1,1681)	1:128:C:LEU:HD23	2:187:E:ILE:HD13	13	0.1
(1,1671)	1:139:D:ASN:H	1:141:D:LEU:H	4	0.1
(1,1663)	1:137:D:PHE:H	1:140:D:TYR:H	12	0.1
(1,1661)	1:137:D:PHE:H	1:138:D:MET:H	5	0.1
(1,1604)	1:110:D:ALA:H	1:111:D:ARG:H	16	0.1
(1,1592)	1:100:D:ALA:H	1:102:D:CYS:H	8	0.1
(1,1585)	1:98:D:LEU:HD11	1:99:D:GLY:H	16	0.1
(1,1585)	1:98:D:LEU:HD12	1:99:D:GLY:H	16	0.1
(1,1585)	1:98:D:LEU:HD13	1:99:D:GLY:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:95:D:ALA:H	1:96:D:HIS:H	8	0.1
(1,1533)	1:79:D:GLN:H	1:80:D:GLN:H	12	0.1
(1,1497)	1:68:D:LEU:H	1:71:D:GLU:H	4	0.1
(1,1412)	1:51:D:LEU:H	1:52:D:ALA:H	7	0.1
(1,1400)	1:47:D:ALA:HB1	1:59:D:VAL:H	9	0.1
(1,1400)	1:47:D:ALA:HB2	1:59:D:VAL:H	9	0.1
(1,1400)	1:47:D:ALA:HB3	1:59:D:VAL:H	9	0.1
(1,1336)	1:25:D:ALA:HB1	1:28:D:ALA:HB1	6	0.1
(1,1336)	1:25:D:ALA:HB1	1:28:D:ALA:HB2	6	0.1
(1,1336)	1:25:D:ALA:HB1	1:28:D:ALA:HB3	6	0.1
(1,1336)	1:25:D:ALA:HB2	1:28:D:ALA:HB1	6	0.1
(1,1336)	1:25:D:ALA:HB2	1:28:D:ALA:HB2	6	0.1
(1,1336)	1:25:D:ALA:HB2	1:28:D:ALA:HB3	6	0.1
(1,1336)	1:25:D:ALA:HB3	1:28:D:ALA:HB1	6	0.1
(1,1336)	1:25:D:ALA:HB3	1:28:D:ALA:HB2	6	0.1
(1,1336)	1:25:D:ALA:HB3	1:28:D:ALA:HB3	6	0.1
(1,1315)	1:19:D:LYS:H	1:80:D:GLN:H	17	0.1
(1,1291)	1:12:D:GLN:H	1:13:D:ILE:H	18	0.1
(1,1280)	1:10:D:THR:H	1:87:D:ALA:H	17	0.1
(1,1265)	1:136:C:LEU:HD21	1:137:C:PHE:H	10	0.1
(1,1265)	1:136:C:LEU:HD22	1:137:C:PHE:H	10	0.1
(1,1265)	1:136:C:LEU:HD23	1:137:C:PHE:H	10	0.1
(1,1224)	1:116:C:SER:H	1:118:C:VAL:H	8	0.1
(1,1223)	1:116:C:SER:H	1:117:C:MET:H	2	0.1
(1,1206)	1:110:C:ALA:H	1:112:C:GLU:H	20	0.1
(1,1149)	1:80:C:GLN:H	1:81:C:GLY:H	17	0.1
(1,1148)	1:79:C:GLN:H	1:80:C:GLN:H	7	0.1
(1,1109)	1:68:C:LEU:H	1:71:C:GLU:H	11	0.1
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG21	1	0.1
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG22	1	0.1
(1,1029)	1:52:C:ALA:H	1:55:C:VAL:HG23	1	0.1
(1,1025)	1:51:C:LEU:HD11	1:83:C:ILE:HD11	8	0.1
(1,1025)	1:51:C:LEU:HD11	1:83:C:ILE:HD12	8	0.1
(1,1025)	1:51:C:LEU:HD11	1:83:C:ILE:HD13	8	0.1
(1,1025)	1:51:C:LEU:HD12	1:83:C:ILE:HD11	8	0.1
(1,1025)	1:51:C:LEU:HD12	1:83:C:ILE:HD12	8	0.1
(1,1025)	1:51:C:LEU:HD12	1:83:C:ILE:HD13	8	0.1
(1,1025)	1:51:C:LEU:HD13	1:83:C:ILE:HD11	8	0.1
(1,1025)	1:51:C:LEU:HD13	1:83:C:ILE:HD12	8	0.1
(1,1025)	1:51:C:LEU:HD13	1:83:C:ILE:HD13	8	0.1
(1,969)	1:39:C:GLU:H	1:40:C:VAL:H	9	0.1
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE1	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:31:C:VAL:HG21	1:123:C:PHE:HE2	7	0.1
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE1	7	0.1
(1,959)	1:31:C:VAL:HG22	1:123:C:PHE:HE2	7	0.1
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE1	7	0.1
(1,959)	1:31:C:VAL:HG23	1:123:C:PHE:HE2	7	0.1
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	16	0.1
(1,945)	1:28:C:ALA:H	1:30:C:HIS:H	18	0.1
(1,925)	1:22:C:SER:H	1:77:C:GLU:H	12	0.1
(1,917)	1:20:C:ASP:H	1:81:C:GLY:H	17	0.1
(1,913)	1:19:C:LYS:H	1:80:C:GLN:H	12	0.1
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB1	12	0.1
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB2	12	0.1
(1,906)	1:17:C:TYR:HE1	1:28:D:ALA:HB3	12	0.1
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB1	12	0.1
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB2	12	0.1
(1,906)	1:17:C:TYR:HE2	1:28:D:ALA:HB3	12	0.1
(1,874)	1:10:C:THR:H	1:87:C:ALA:H	9	0.1
(1,828)	1:121:B:GLY:H	1:123:B:PHE:H	2	0.1
(1,816)	1:116:B:SER:H	1:119:B:SER:H	16	0.1
(1,796)	1:110:B:ALA:H	1:111:B:ARG:H	9	0.1
(1,786)	1:100:B:ALA:H	1:101:B:TYR:H	16	0.1
(1,782)	1:99:B:GLY:H	1:100:B:ALA:H	13	0.1
(1,779)	1:98:B:LEU:H	1:100:B:ALA:H	16	0.1
(1,751)	1:89:B:ILE:HD11	1:90:B:GLU:H	1	0.1
(1,751)	1:89:B:ILE:HD12	1:90:B:GLU:H	1	0.1
(1,751)	1:89:B:ILE:HD13	1:90:B:GLU:H	1	0.1
(1,684)	1:66:B:ALA:H	1:74:B:PHE:H	20	0.1
(1,680)	1:65:B:THR:H	1:76:B:CYS:H	18	0.1
(1,610)	1:55:B:VAL:H	1:56:B:TYR:H	1	0.1
(1,588)	1:49:B:SER:H	1:59:B:VAL:H	20	0.1
(1,586)	1:49:B:SER:H	1:57:B:GLU:H	4	0.1
(1,556)	1:42:B:LEU:HD21	1:129:B:ALA:H	13	0.1
(1,556)	1:42:B:LEU:HD22	1:129:B:ALA:H	13	0.1
(1,556)	1:42:B:LEU:HD23	1:129:B:ALA:H	13	0.1
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD21	10	0.1
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD22	10	0.1
(1,555)	1:42:B:LEU:HD21	1:128:B:LEU:HD23	10	0.1
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD21	10	0.1
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD22	10	0.1
(1,555)	1:42:B:LEU:HD22	1:128:B:LEU:HD23	10	0.1
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD21	10	0.1
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD22	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:42:B:LEU:HD23	1:128:B:LEU:HD23	10	0.1
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD11	9	0.1
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD12	9	0.1
(1,551)	1:42:B:LEU:HD21	1:126:B:LEU:HD13	9	0.1
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD11	9	0.1
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD12	9	0.1
(1,551)	1:42:B:LEU:HD22	1:126:B:LEU:HD13	9	0.1
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD11	9	0.1
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD12	9	0.1
(1,551)	1:42:B:LEU:HD23	1:126:B:LEU:HD13	9	0.1
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD21	20	0.1
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD22	20	0.1
(1,548)	1:42:B:LEU:HD11	1:126:B:LEU:HD23	20	0.1
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD21	20	0.1
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD22	20	0.1
(1,548)	1:42:B:LEU:HD12	1:126:B:LEU:HD23	20	0.1
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD21	20	0.1
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD22	20	0.1
(1,548)	1:42:B:LEU:HD13	1:126:B:LEU:HD23	20	0.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD11	5	0.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD12	5	0.1
(1,523)	1:36:B:TRP:H	1:68:B:LEU:HD13	5	0.1
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	5	0.1
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	5	0.1
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	7	0.1
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	7	0.1
(1,494)	1:23:B:PHE:HD1	1:24:B:GLU:H	10	0.1
(1,494)	1:23:B:PHE:HD2	1:24:B:GLU:H	10	0.1
(1,450)	1:12:B:GLN:H	1:13:B:ILE:H	5	0.1
(1,428)	1:138:A:MET:H	1:141:A:LEU:H	20	0.1
(1,395)	1:122:A:THR:H	1:18:B:THR:H	2	0.1
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	5	0.1
(1,370)	1:113:A:CYS:H	1:116:A:SER:H	10	0.1
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	2	0.1
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	4	0.1
(1,358)	1:110:A:ALA:H	1:111:A:ARG:H	19	0.1
(1,345)	1:99:A:GLY:H	1:101:A:TYR:H	16	0.1
(1,343)	1:99:A:GLY:H	1:100:A:ALA:H	12	0.1
(1,331)	1:96:A:HIS:H	1:97:A:CYS:H	20	0.1
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	12	0.1
(1,328)	1:95:A:ALA:H	1:98:A:LEU:H	20	0.1
(1,318)	1:92:A:THR:H	1:95:A:ALA:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:87:A:ALA:H	1:89:A:ILE:H	12	0.1
(1,299)	1:85:A:SER:H	1:86:A:ILE:H	18	0.1
(1,280)	1:77:A:GLU:H	1:78:A:VAL:H	1	0.1
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD21	2	0.1
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD22	2	0.1
(1,136)	1:42:A:LEU:HD11	1:128:A:LEU:HD23	2	0.1
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD21	2	0.1
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD22	2	0.1
(1,136)	1:42:A:LEU:HD12	1:128:A:LEU:HD23	2	0.1
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD21	2	0.1
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD22	2	0.1
(1,136)	1:42:A:LEU:HD13	1:128:A:LEU:HD23	2	0.1
(1,104)	1:36:A:TRP:H	1:37:A:GLN:H	8	0.1
(1,84)	1:30:A:HIS:H	1:31:A:VAL:H	15	0.1
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB1	19	0.1
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB2	19	0.1
(1,41)	1:17:A:TYR:HE1	1:28:B:ALA:HB3	19	0.1
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB1	19	0.1
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB2	19	0.1
(1,41)	1:17:A:TYR:HE2	1:28:B:ALA:HB3	19	0.1
(1,7)	1:11:A:PHE:HD1	1:12:A:GLN:H	3	0.1
(1,7)	1:11:A:PHE:HD2	1:12:A:GLN:H	3	0.1

10 Dihedral-angle violation analysis

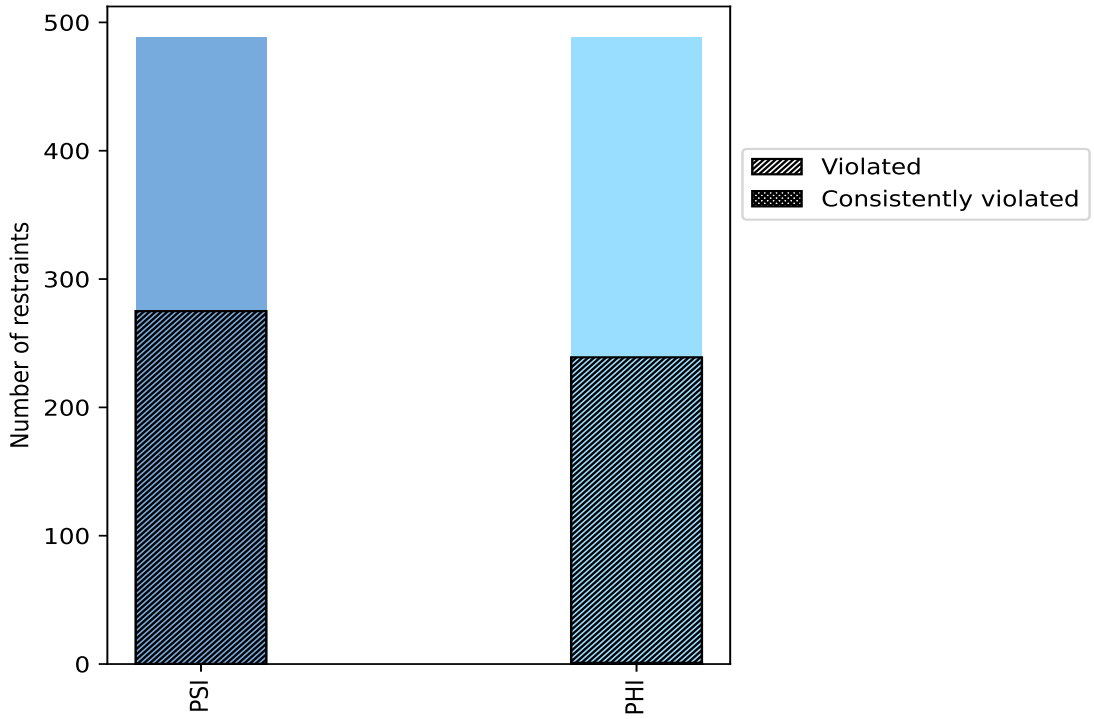
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	488	50.0	275	56.4	28.2	0	0.0	0.0
PHI	488	50.0	239	49.0	24.5	1	0.2	0.1
Total	976	100.0	514	52.7	52.7	1	0.1	0.1

[1] percentage calculated with respect to total number of dihedral-angle restraints, [2] percentage calculated with respect to number of restraints in a particular dihedral-angle type, [3] violated in at least one model, [4] violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations



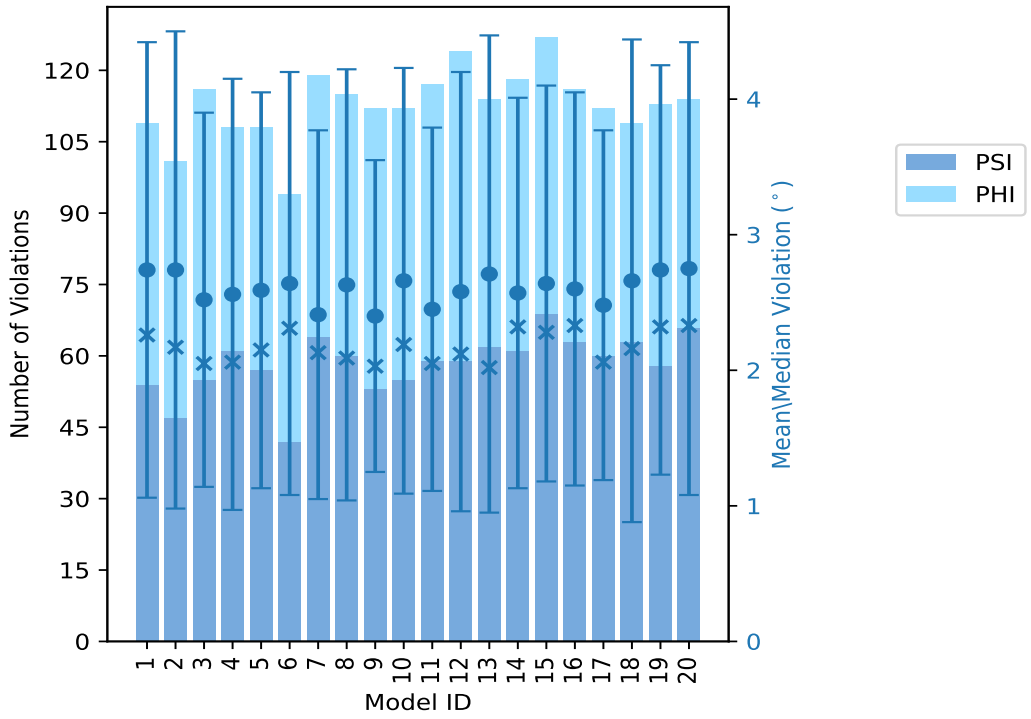
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	54	55	109	2.74	9.94	1.68	2.26
2	47	54	101	2.74	12.71	1.76	2.17
3	55	61	116	2.52	6.99	1.38	2.05
4	61	47	108	2.56	8.67	1.59	2.06
5	57	51	108	2.59	9.38	1.46	2.15
6	42	52	94	2.64	9.72	1.56	2.31
7	64	55	119	2.41	8.43	1.36	2.13
8	60	55	115	2.63	9.97	1.59	2.09
9	53	59	112	2.4	6.24	1.15	2.03
10	55	57	112	2.66	9.08	1.57	2.19
11	59	58	117	2.45	7.09	1.34	2.05
12	59	65	124	2.58	12.97	1.62	2.12
13	62	52	114	2.71	8.71	1.76	2.02
14	61	57	118	2.57	9.67	1.44	2.32
15	69	58	127	2.64	8.83	1.46	2.28
16	63	53	116	2.6	10.52	1.45	2.33
17	60	52	112	2.48	6.55	1.29	2.06
18	63	46	109	2.66	11.35	1.78	2.16
19	58	55	113	2.74	11.29	1.51	2.32
20	66	48	114	2.75	9.54	1.67	2.33

10.2.1 Bar graph : Dihedral violation statistics for each model



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

10.3 Dihedral-angle violation statistics for the ensemble

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
67	61	128	1	5.0
44	37	81	2	10.0
40	37	77	3	15.0
29	18	47	4	20.0
20	19	39	5	25.0
13	12	25	6	30.0
18	6	24	7	35.0
10	10	20	8	40.0
9	5	14	9	45.0
5	7	12	10	50.0
5	6	11	11	55.0

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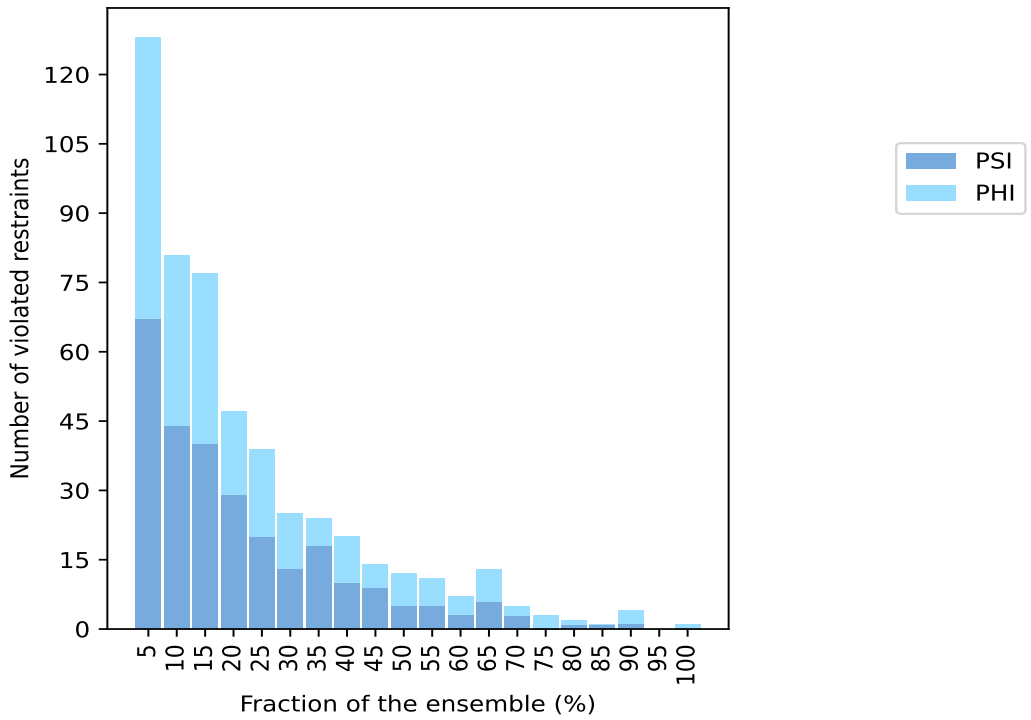
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
3	4	7	12	60.0
6	7	13	13	65.0
3	2	5	14	70.0
0	3	3	15	75.0
1	1	2	16	80.0
1	0	1	17	85.0
1	3	4	18	90.0
0	0	0	19	95.0
0	1	1	20	100.0

[1] Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble

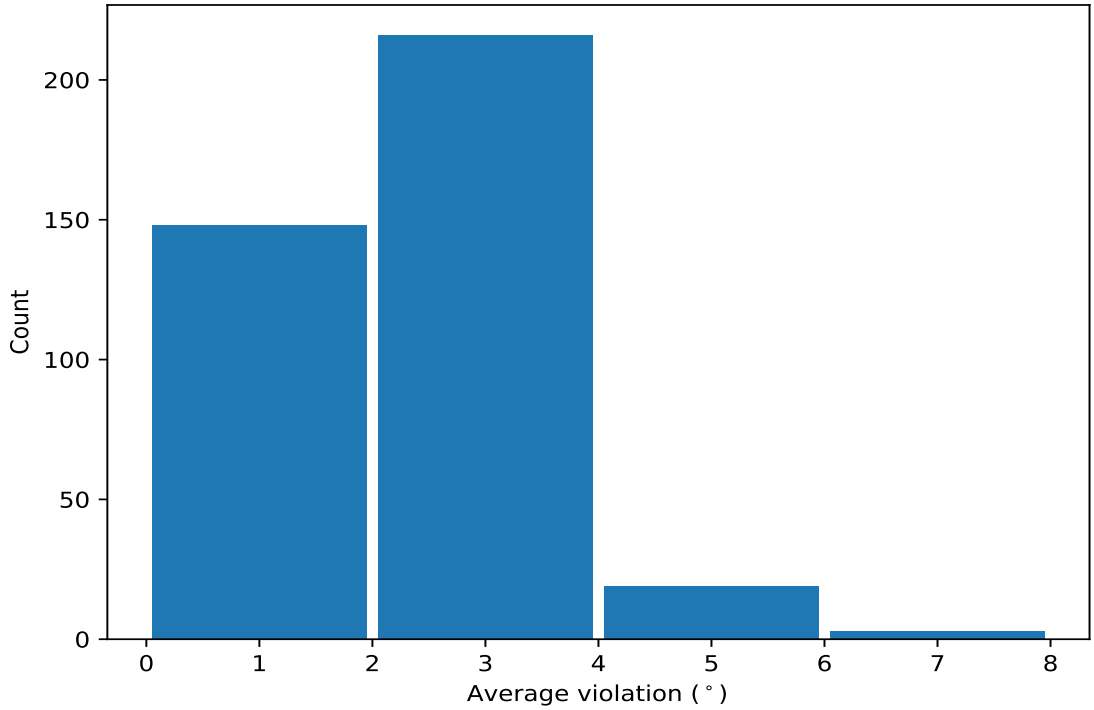


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	20	7.63	2.46	8.16
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	18	6.08	2.91	5.88
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	18	3.65	1.57	3.28
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	18	3.44	1.26	3.36
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	18	2.65	0.87	2.55
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	17	3.31	1.86	2.94
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	16	3.0	1.26	3.24
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	16	2.98	1.19	2.71
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	15	4.42	1.99	4.23
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	15	2.83	0.81	2.83
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	15	2.66	1.0	2.47
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	14	5.5	2.29	5.34
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	14	3.9	1.65	3.59
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	14	3.14	0.92	2.99
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	14	2.58	0.95	2.54
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	14	2.18	0.9	1.96
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	13	4.61	1.9	4.87
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	13	3.98	1.34	3.98
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	13	3.68	2.37	2.97
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	13	3.39	2.08	3.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	13	3.38	1.29	3.45
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	13	3.34	1.45	3.11
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	13	2.83	1.5	2.11
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	13	2.46	0.83	2.26
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	13	2.44	1.42	2.16
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	13	2.25	0.54	2.21
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	13	2.13	1.03	1.66
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	13	2.09	0.8	2.03
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	13	1.91	0.61	1.71
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	12	4.09	2.48	4.24
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	12	4.0	1.79	4.38
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	12	3.38	1.97	2.82
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	12	2.54	1.02	2.22
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	12	2.51	1.0	2.5
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	12	2.22	0.65	2.34
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	12	2.18	1.03	1.84
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	11	6.32	2.07	5.8
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	11	4.56	1.29	4.68
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	11	3.64	1.32	3.79
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	11	3.62	2.24	2.79
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	11	2.8	1.22	2.39
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	11	2.67	0.78	2.52
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	11	2.57	1.63	2.0
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	11	2.56	0.83	2.57
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	11	2.39	1.03	2.49
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	11	2.25	0.75	2.23
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	11	1.98	0.74	1.75
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	10	3.84	2.13	3.82
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	10	3.16	1.1	3.2
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	10	2.8	1.13	2.72
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	10	2.64	1.07	2.33
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	10	2.53	0.33	2.55
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	10	2.44	0.73	2.6
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	10	2.43	0.63	2.23
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	10	2.31	0.72	2.12
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	10	2.26	0.71	2.49
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	10	2.21	0.82	1.88
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	10	2.05	0.57	2.33
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	10	2.0	0.6	1.8
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	9	4.51	2.09	4.48
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	9	3.44	1.18	3.15
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	9	3.33	1.82	3.35
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	9	3.14	2.13	2.4
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	9	3.09	1.67	3.2
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	9	3.07	1.47	2.79
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	9	2.79	1.43	2.25
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	9	2.44	0.82	2.31
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	9	2.33	0.59	2.26
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	9	2.23	0.96	2.08
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	9	2.03	0.78	1.95
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	9	1.8	0.64	1.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	9	1.69	0.78	1.4
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	9	1.68	0.63	1.36
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	8	4.04	1.84	4.16
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	8	3.55	0.97	3.85
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	8	3.39	1.28	3.39
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	8	3.3	1.81	3.06
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	8	3.22	1.05	3.2
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	8	3.16	0.87	3.2
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	8	3.1	1.37	2.95
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	8	2.96	1.7	2.45
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	8	2.94	1.49	2.18
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	8	2.92	1.13	2.54
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	8	2.86	1.44	2.94
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	8	2.73	0.84	2.55
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	8	2.64	1.08	2.74
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	8	2.56	1.05	2.47
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	8	2.38	0.51	2.42
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	8	2.28	0.85	2.24
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	8	2.22	0.78	2.2
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	8	2.05	0.73	2.2
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	8	1.97	0.51	1.82
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	8	1.9	0.78	1.77
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	7	4.07	1.36	3.65
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	7	4.06	2.92	2.12
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	7	3.66	2.46	2.75
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	7	3.41	1.48	3.84
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	7	3.22	1.44	2.89
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	7	2.75	0.93	2.78
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	7	2.64	1.13	3.0
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	7	2.5	0.77	2.28
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	7	2.47	0.97	2.44
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	7	2.36	0.94	2.28
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	7	2.33	0.7	2.42
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	7	2.32	1.5	1.74
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	7	2.3	1.16	1.97
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	7	2.26	0.9	2.02
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	7	2.26	0.86	2.13
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	7	2.1	0.65	1.98
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	7	2.05	1.26	1.54
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	7	1.98	0.76	1.72
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	7	1.92	0.68	1.65
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	7	1.83	0.49	1.69
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	7	1.77	0.54	1.63
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	7	1.62	0.34	1.56
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	7	1.57	0.53	1.38
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	7	1.42	0.35	1.35
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	6	4.85	1.01	5.24
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	6	3.21	1.01	3.3
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	6	2.74	1.11	2.5
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	6	2.67	0.83	2.52
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	6	2.55	1.03	2.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	6	2.5	0.92	2.76
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	6	2.46	0.91	2.34
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	6	2.42	1.04	2.44
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	6	2.37	0.51	2.16
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	6	2.36	0.72	2.58
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	6	2.32	0.98	2.24
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	6	2.29	1.83	1.25
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	6	2.26	0.93	1.96
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	6	2.22	0.96	2.26
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	6	2.15	0.86	2.05
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	6	2.1	0.41	2.15
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	6	2.02	0.3	1.97
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	6	1.97	0.8	1.6
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	6	1.97	0.74	1.77
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	6	1.93	0.8	1.68
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	6	1.86	0.46	1.74
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	6	1.85	0.5	1.79
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	6	1.73	0.55	1.55
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	6	1.69	0.4	1.56
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	6	1.22	0.25	1.12
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	5	4.61	1.5	4.0
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	5	3.51	1.56	3.69
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	5	3.34	0.87	3.27
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	5	3.11	1.68	3.53
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	5	3.05	1.27	2.35
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	5	3.02	0.22	2.89
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	5	2.8	1.0	2.71
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	5	2.64	1.08	3.06
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	5	2.55	1.3	2.08
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	5	2.42	1.38	1.93
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	5	2.42	0.89	2.49
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	5	2.39	1.3	2.23
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	5	2.33	0.9	1.9
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	5	2.33	1.28	1.77
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	5	2.31	0.34	2.53
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	5	2.24	0.95	2.48
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	5	2.14	0.84	1.64
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	5	2.14	0.85	1.6
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	5	2.08	0.8	2.37
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	5	2.03	0.68	2.35
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	5	2.0	0.52	1.83
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	5	2.0	0.5	2.33
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	5	1.98	0.79	1.89
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	5	1.97	0.55	2.0
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	5	1.96	0.35	1.9
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	5	1.88	0.84	1.48
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	5	1.84	0.56	1.88
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	5	1.84	0.28	1.91
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	5	1.79	0.33	1.92
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	5	1.77	0.83	1.18
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	5	1.76	0.47	2.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	5	1.6	0.63	1.42
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	5	1.54	0.48	1.53
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	5	1.54	0.44	1.4
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	5	1.46	0.24	1.43
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	5	1.43	0.43	1.33
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	5	1.42	0.17	1.44
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	5	1.39	0.29	1.26
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	5	1.27	0.2	1.19
(1,963)	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	1:138:D:MET:N	4	4.77	1.87	4.74
(1,307)	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	1:38:B:PRO:N	4	3.75	1.67	3.61
(1,1)	1:9:A:MET:N	1:9:A:MET:CA	1:9:A:MET:C	1:10:A:THR:N	4	3.2	1.69	3.38
(1,497)	1:141:B:LEU:N	1:141:B:LEU:CA	1:141:B:LEU:C	1:142:B:GLN:N	4	3.16	1.37	3.06
(1,871)	1:87:D:ALA:N	1:87:D:ALA:CA	1:87:D:ALA:C	1:88:D:GLY:N	4	3.1	0.72	2.79
(1,405)	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	1:89:B:ILE:N	4	3.04	1.04	2.82
(1,957)	1:134:D:ASP:N	1:134:D:ASP:CA	1:134:D:ASP:C	1:135:D:ALA:N	4	3.03	0.63	2.7
(1,729)	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1:13:D:ILE:N	4	2.97	1.31	2.92
(1,401)	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	1:87:B:ALA:N	4	2.9	1.21	2.66
(1,557)	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	1:43:C:ASP:N	4	2.68	0.62	2.37
(1,301)	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1:35:B:ASP:N	4	2.64	1.3	2.56
(1,606)	1:68:C:LEU:C	1:69:C:GLY:N	1:69:C:GLY:CA	1:69:C:GLY:C	4	2.61	1.04	2.8
(1,717)	1:138:C:MET:N	1:138:C:MET:CA	1:138:C:MET:C	1:139:C:ASN:N	4	2.57	0.84	2.46
(1,548)	1:35:C:ASP:C	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	4	2.56	1.19	2.19
(1,355)	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	1:64:B:VAL:N	4	2.46	0.77	2.08
(1,529)	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	1:25:C:ALA:N	4	2.45	0.52	2.59
(1,859)	1:81:D:GLY:N	1:81:D:GLY:CA	1:81:D:GLY:C	1:82:D:GLY:N	4	2.43	0.86	2.44
(1,149)	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	1:87:A:ALA:N	4	2.4	1.15	2.08
(1,114)	1:68:A:LEU:C	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	4	2.39	0.48	2.49
(1,475)	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1:127:B:ASN:N	4	2.3	0.59	2.4
(1,865)	1:84:D:PHE:N	1:84:D:PHE:CA	1:84:D:PHE:C	1:85:D:SER:N	4	2.3	0.85	2.45
(1,530)	1:24:C:GLU:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	4	2.24	0.61	2.22
(1,229)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:PRO:N	4	2.2	0.56	2.32
(1,58)	1:40:A:VAL:C	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	4	2.14	1.07	1.9
(1,28)	1:22:A:SER:C	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	4	2.11	0.61	2.4
(1,384)	1:77:B:GLU:C	1:78:B:VAL:N	1:78:B:VAL:CA	1:78:B:VAL:C	4	2.01	0.7	1.84
(1,85)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:VAL:N	4	2.0	0.38	2.09
(1,226)	1:127:A:ASN:C	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	4	1.99	0.51	2.06
(1,501)	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	1:11:C:PHE:N	4	1.97	0.55	1.81
(1,971)	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	1:142:D:GLN:N	4	1.92	0.98	1.65
(1,106)	1:64:A:VAL:C	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	4	1.89	0.35	1.72
(1,867)	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	1:86:D:ILE:N	4	1.88	0.28	1.86
(1,354)	1:62:B:VAL:C	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	4	1.86	0.68	1.82
(1,556)	1:41:C:LYS:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	4	1.86	0.32	1.76
(1,622)	1:76:C:CYS:C	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	4	1.79	0.98	1.34
(1,403)	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1:88:B:GLY:N	4	1.79	0.66	1.59
(1,360)	1:65:B:THR:C	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	4	1.78	0.85	1.37
(1,11)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	4	1.77	0.59	1.68
(1,502)	1:10:C:THR:C	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	4	1.77	0.63	1.67
(1,152)	1:87:A:ALA:C	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	4	1.74	0.52	1.58
(1,492)	1:138:B:MET:C	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	4	1.7	0.38	1.58
(1,59)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LEU:N	4	1.68	0.5	1.6
(1,972)	1:141:D:LEU:C	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	4	1.61	0.28	1.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,53)	1:37:A:GLN:N	1:37:A:GLN:CA	1:37:A:GLN:C	1:38:A:PRO:N	4	1.6	0.33	1.62
(1,57)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:LYS:N	4	1.53	0.55	1.35
(1,136)	1:79:A:GLN:C	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	4	1.45	0.16	1.48
(1,935)	1:121:D:GLY:N	1:121:D:GLY:CA	1:121:D:GLY:C	1:122:D:THR:N	4	1.43	0.14	1.5
(1,645)	1:91:C:GLY:N	1:91:C:GLY:CA	1:91:C:GLY:C	1:92:C:THR:N	3	4.19	1.13	4.41
(1,306)	1:36:B:TRP:C	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	3	4.02	1.8	3.63
(1,943)	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	1:127:D:ASN:N	3	3.8	0.87	3.68
(1,639)	1:85:C:SER:N	1:85:C:SER:CA	1:85:C:SER:C	1:86:C:ILE:N	3	3.36	0.4	3.13
(1,255)	1:9:B:MET:N	1:9:B:MET:CA	1:9:B:MET:C	1:10:B:THR:N	3	3.19	1.64	3.02
(1,128)	1:75:A:LEU:C	1:76:A:CYS:N	1:76:A:CYS:CA	1:76:A:CYS:C	3	3.05	0.31	3.01
(1,260)	1:11:B:PHE:C	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	3	2.95	2.32	1.5
(1,553)	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	1:40:C:VAL:N	3	2.94	0.98	2.64
(1,146)	1:84:A:PHE:C	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	3	2.84	0.51	2.56
(1,706)	1:131:C:VAL:C	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	3	2.8	0.93	3.0
(1,751)	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	1:25:D:ALA:N	3	2.67	1.18	2.92
(1,596)	1:63:C:THR:C	1:64:C:VAL:N	1:64:C:VAL:CA	1:64:C:VAL:C	3	2.55	0.52	2.87
(1,626)	1:78:C:VAL:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	3	2.49	0.9	2.8
(1,176)	1:99:A:GLY:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	3	2.43	0.81	2.14
(1,265)	1:14:B:GLN:N	1:14:B:GLN:CA	1:14:B:GLN:C	1:15:B:ARG:N	3	2.4	1.05	1.91
(1,218)	1:122:A:THR:C	1:123:A:PHE:N	1:123:A:PHE:CA	1:123:A:PHE:C	3	2.39	1.06	2.38
(1,571)	1:50:C:GLN:N	1:50:C:GLN:CA	1:50:C:GLN:C	1:51:C:LEU:N	3	2.37	0.72	2.04
(1,511)	1:15:C:ARG:N	1:15:C:ARG:CA	1:15:C:ARG:C	1:16:C:ILE:N	3	2.36	0.58	1.99
(1,898)	1:100:D:ALA:C	1:101:D:TYR:N	1:101:D:TYR:CA	1:101:D:TYR:C	3	2.32	0.27	2.34
(1,118)	1:70:A:GLU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	3	2.32	1.4	1.46
(1,701)	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	1:126:C:LEU:N	3	2.3	0.83	2.17
(1,137)	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	1:81:A:GLY:N	3	2.27	0.88	2.77
(1,161)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLN:N	3	2.26	1.41	1.29
(1,877)	1:90:D:GLU:N	1:90:D:GLU:CA	1:90:D:GLU:C	1:91:D:GLY:N	3	2.25	0.52	1.99
(1,47)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:ASP:N	3	2.2	0.63	1.84
(1,351)	1:61:B:ARG:N	1:61:B:ARG:CA	1:61:B:ARG:C	1:62:B:VAL:N	3	2.19	1.1	1.47
(1,875)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:GLU:N	3	2.14	0.48	2.07
(1,564)	1:46:C:THR:C	1:47:C:ALA:N	1:47:C:ALA:CA	1:47:C:ALA:C	3	2.14	0.29	2.28
(1,559)	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	1:44:C:LEU:N	3	2.13	0.12	2.1
(1,325)	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	1:49:B:SER:N	3	2.12	0.51	2.33
(1,323)	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	1:48:B:SER:N	3	2.11	0.68	1.7
(1,222)	1:125:A:GLN:C	1:126:A:LEU:N	1:126:A:LEU:CA	1:126:A:LEU:C	3	2.07	0.11	2.01
(1,782)	1:42:D:LEU:C	1:43:D:ASP:N	1:43:D:ASP:CA	1:43:D:ASP:C	3	2.07	0.26	2.16
(1,407)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:GLU:N	3	2.05	0.47	2.05
(1,151)	1:87:A:ALA:N	1:87:A:ALA:CA	1:87:A:ALA:C	1:88:A:GLY:N	3	2.02	0.48	1.95
(1,822)	1:62:D:VAL:C	1:63:D:THR:N	1:63:D:THR:CA	1:63:D:THR:C	3	2.02	0.69	1.77
(1,973)	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	1:143:D:GLN:N	3	1.96	0.7	1.91
(1,29)	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	1:24:A:GLU:N	3	1.93	0.48	1.71
(1,595)	1:63:C:THR:N	1:63:C:THR:CA	1:63:C:THR:C	1:64:C:VAL:N	3	1.93	0.91	1.39
(1,322)	1:46:B:THR:C	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	3	1.92	0.65	1.75
(1,895)	1:99:D:GLY:N	1:99:D:GLY:CA	1:99:D:GLY:C	1:100:D:ALA:N	3	1.92	1.07	1.25
(1,64)	1:43:A:ASP:C	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	3	1.88	0.67	1.92
(1,866)	1:84:D:PHE:C	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	3	1.87	0.13	1.82
(1,642)	1:89:C:ILE:C	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	3	1.85	0.41	1.95
(1,227)	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	1:129:A:ALA:N	3	1.83	0.41	1.79
(1,941)	1:125:D:GLN:N	1:125:D:GLN:CA	1:125:D:GLN:C	1:126:D:LEU:N	3	1.83	0.64	1.51
(1,749)	1:23:D:PHE:N	1:23:D:PHE:CA	1:23:D:PHE:C	1:24:D:GLU:N	3	1.82	0.46	1.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,592)	1:61:C:ARG:C	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	3	1.8	0.9	1.26
(1,134)	1:78:A:VAL:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	3	1.77	0.59	1.6
(1,474)	1:125:B:GLN:C	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	3	1.77	0.34	1.7
(1,286)	1:24:B:GLU:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	3	1.69	0.16	1.75
(1,327)	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	1:50:B:GLN:N	3	1.65	0.56	1.45
(1,119)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:THR:N	3	1.64	0.49	1.49
(1,525)	1:22:C:SER:N	1:22:C:SER:CA	1:22:C:SER:C	1:23:C:PHE:N	3	1.64	0.4	1.7
(1,76)	1:49:A:SER:C	1:50:A:GLN:N	1:50:A:GLN:CA	1:50:A:GLN:C	3	1.63	0.29	1.83
(1,718)	1:138:C:MET:C	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	3	1.61	0.32	1.75
(1,410)	1:90:B:GLU:C	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	3	1.61	0.29	1.42
(1,247)	1:139:A:ASN:N	1:139:A:ASN:CA	1:139:A:ASN:C	1:140:A:TYR:N	3	1.54	0.36	1.62
(1,163)	1:93:A:GLN:N	1:93:A:GLN:CA	1:93:A:GLN:C	1:94:A:MET:N	3	1.53	0.27	1.54
(1,326)	1:48:B:SER:C	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	3	1.51	0.43	1.28
(1,390)	1:80:B:GLN:C	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	3	1.46	0.26	1.28
(1,68)	1:45:A:ASP:C	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	3	1.45	0.17	1.41
(1,389)	1:80:B:GLN:N	1:80:B:GLN:CA	1:80:B:GLN:C	1:81:B:GLY:N	3	1.42	0.15	1.39
(1,65)	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1:45:A:ASP:N	3	1.41	0.22	1.36
(1,131)	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	1:78:A:VAL:N	3	1.41	0.31	1.43
(1,808)	1:55:D:VAL:C	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	3	1.4	0.13	1.48
(1,551)	1:37:C:GLN:N	1:37:C:GLN:CA	1:37:C:GLN:C	1:38:C:PRO:N	3	1.39	0.15	1.46
(1,148)	1:85:A:SER:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	3	1.36	0.23	1.46
(1,766)	1:33:D:GLN:C	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	3	1.35	0.25	1.36
(1,619)	1:75:C:LEU:N	1:75:C:LEU:CA	1:75:C:LEU:C	1:76:C:CYS:N	3	1.35	0.19	1.43
(1,856)	1:79:D:GLN:C	1:80:D:GLN:N	1:80:D:GLN:CA	1:80:D:GLN:C	3	1.31	0.23	1.24
(1,784)	1:43:D:ASP:C	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	3	1.3	0.29	1.18
(1,947)	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	1:129:D:ALA:N	3	1.28	0.19	1.19
(1,962)	1:136:D:LEU:C	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	3	1.28	0.2	1.37
(1,22)	1:19:A:LYS:C	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	3	1.26	0.16	1.34
(1,427)	1:99:B:GLY:N	1:99:B:GLY:CA	1:99:B:GLY:C	1:100:B:ALA:N	3	1.24	0.3	1.04
(1,214)	1:120:A:ARG:C	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	3	1.23	0.18	1.24
(1,232)	1:131:A:VAL:C	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	2	5.8	0.82	5.8
(1,252)	1:141:A:LEU:C	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	2	4.49	2.5	4.49
(1,312)	1:40:B:VAL:C	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	2	4.14	0.77	4.14
(1,217)	1:122:A:THR:N	1:122:A:THR:CA	1:122:A:THR:C	1:123:A:PHE:N	2	4.04	0.12	4.04
(1,243)	1:137:A:PHE:N	1:137:A:PHE:CA	1:137:A:PHE:C	1:138:A:MET:N	2	3.42	2.05	3.42
(1,215)	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	1:122:A:THR:N	2	3.38	0.75	3.38
(1,779)	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	1:42:D:LEU:N	2	3.15	0.61	3.15
(1,868)	1:85:D:SER:C	1:86:D:ILE:N	1:86:D:ILE:CA	1:86:D:ILE:C	2	3.04	1.27	3.04
(1,257)	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	1:11:B:PHE:N	2	2.76	0.6	2.76
(1,735)	1:15:D:ARG:N	1:15:D:ARG:CA	1:15:D:ARG:C	1:16:D:ILE:N	2	2.76	1.37	2.76
(1,549)	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	1:37:C:GLN:N	2	2.69	0.9	2.69
(1,391)	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	1:82:B:GLY:N	2	2.64	1.36	2.64
(1,493)	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	1:140:B:TYR:N	2	2.6	1.16	2.6
(1,620)	1:75:C:LEU:C	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	2	2.58	0.47	2.58
(1,49)	1:35:A:ASP:N	1:35:A:ASP:CA	1:35:A:ASP:C	1:36:A:TRP:N	2	2.55	0.54	2.55
(1,91)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:VAL:N	2	2.5	0.77	2.5
(1,399)	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	1:86:B:ILE:N	2	2.48	0.78	2.48
(1,724)	1:9:D:MET:C	1:10:D:THR:N	1:10:D:THR:CA	1:10:D:THR:C	2	2.47	1.09	2.47
(1,115)	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	1:70:A:GLU:N	2	2.43	0.36	2.43
(1,411)	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	1:92:B:THR:N	2	2.42	0.24	2.42
(1,9)	1:13:A:ILE:N	1:13:A:ILE:CA	1:13:A:ILE:C	1:14:A:GLN:N	2	2.4	1.13	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,455)	1:115:B:THR:N	1:115:B:THR:CA	1:115:B:THR:C	1:116:B:SER:N	2	2.36	1.14	2.36
(1,568)	1:48:C:SER:C	1:49:C:SER:N	1:49:C:SER:CA	1:49:C:SER:C	2	2.26	1.12	2.26
(1,298)	1:32:B:PHE:C	1:33:B:GLN:N	1:33:B:GLN:CA	1:33:B:GLN:C	2	2.24	0.99	2.24
(1,319)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:THR:N	2	2.22	1.08	2.22
(1,507)	1:13:C:ILE:N	1:13:C:ILE:CA	1:13:C:ILE:C	1:14:C:GLN:N	2	2.22	0.43	2.22
(1,256)	1:9:B:MET:C	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	2	2.14	1.1	2.14
(1,854)	1:78:D:VAL:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	2	2.13	0.43	2.13
(1,630)	1:80:C:GLN:C	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	2	2.12	0.34	2.12
(1,357)	1:64:B:VAL:N	1:64:B:VAL:CA	1:64:B:VAL:C	1:65:B:THR:N	2	2.1	0.27	2.1
(1,329)	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	1:51:B:LEU:N	2	2.1	0.94	2.1
(1,428)	1:99:B:GLY:C	1:100:B:ALA:N	1:100:B:ALA:CA	1:100:B:ALA:C	2	2.08	0.01	2.08
(1,110)	1:66:A:ALA:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	2	2.06	0.52	2.06
(1,832)	1:67:D:SER:C	1:68:D:LEU:N	1:68:D:LEU:CA	1:68:D:LEU:C	2	1.92	0.13	1.92
(1,534)	1:27:C:ASN:C	1:28:C:ALA:N	1:28:C:ALA:CA	1:28:C:ALA:C	2	1.89	0.23	1.89
(1,3)	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	1:11:A:PHE:N	2	1.88	0.05	1.88
(1,590)	1:60:C:LEU:C	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	2	1.87	0.01	1.87
(1,55)	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	1:40:A:VAL:N	2	1.86	0.07	1.86
(1,793)	1:48:D:SER:N	1:48:D:SER:CA	1:48:D:SER:C	1:49:D:SER:N	2	1.8	0.57	1.8
(1,787)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:THR:N	2	1.8	0.23	1.8
(1,709)	1:133:C:PHE:N	1:133:C:PHE:CA	1:133:C:PHE:C	1:134:C:ASP:N	2	1.77	0.24	1.77
(1,806)	1:54:D:ASP:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	2	1.74	0.28	1.74
(1,658)	1:100:C:ALA:C	1:101:C:TYR:N	1:101:C:TYR:CA	1:101:C:TYR:C	2	1.72	0.08	1.72
(1,147)	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	1:86:A:ILE:N	2	1.65	0.54	1.65
(1,542)	1:32:C:PHE:C	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	2	1.62	0.02	1.62
(1,69)	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	1:47:A:ALA:N	2	1.6	0.31	1.6
(1,32)	1:24:A:GLU:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	2	1.59	0.53	1.59
(1,633)	1:82:C:GLY:N	1:82:C:GLY:CA	1:82:C:GLY:C	1:83:C:ILE:N	2	1.59	0.32	1.59
(1,345)	1:58:B:VAL:N	1:58:B:VAL:CA	1:58:B:VAL:C	1:59:B:VAL:N	2	1.56	0.26	1.56
(1,527)	1:23:C:PHE:N	1:23:C:PHE:CA	1:23:C:PHE:C	1:24:C:GLU:N	2	1.51	0.04	1.51
(1,584)	1:57:C:GLU:C	1:58:C:VAL:N	1:58:C:VAL:CA	1:58:C:VAL:C	2	1.51	0.41	1.51
(1,583)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:VAL:N	2	1.49	0.31	1.49
(1,797)	1:50:D:GLN:N	1:50:D:GLN:CA	1:50:D:GLN:C	1:51:D:LEU:N	2	1.49	0.4	1.49
(1,727)	1:11:D:PHE:N	1:11:D:PHE:CA	1:11:D:PHE:C	1:12:D:GLN:N	2	1.48	0.15	1.48
(1,284)	1:23:B:PHE:C	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	2	1.48	0.33	1.48
(1,563)	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	1:47:C:ALA:N	2	1.48	0.4	1.48
(1,318)	1:44:B:LEU:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	2	1.45	0.36	1.45
(1,683)	1:115:C:THR:N	1:115:C:THR:CA	1:115:C:THR:C	1:116:C:SER:N	2	1.44	0.34	1.44
(1,34)	1:26:A:PRO:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	2	1.44	0.12	1.44
(1,512)	1:15:C:ARG:C	1:16:C:ILE:N	1:16:C:ILE:CA	1:16:C:ILE:C	2	1.4	0.36	1.4
(1,789)	1:46:D:THR:N	1:46:D:THR:CA	1:46:D:THR:C	1:47:D:ALA:N	2	1.39	0.17	1.39
(1,598)	1:64:C:VAL:C	1:65:C:THR:N	1:65:C:THR:CA	1:65:C:THR:C	2	1.38	0.05	1.38
(1,893)	1:98:D:LEU:N	1:98:D:LEU:CA	1:98:D:LEU:C	1:99:D:GLY:N	2	1.37	0.09	1.37
(1,250)	1:140:A:TYR:C	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	2	1.36	0.29	1.36
(1,946)	1:127:D:ASN:C	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	2	1.36	0.18	1.36
(1,768)	1:34:D:LYS:C	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	2	1.34	0.05	1.34
(1,752)	1:24:D:GLU:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	2	1.32	0.08	1.32
(1,853)	1:78:D:VAL:N	1:78:D:VAL:CA	1:78:D:VAL:C	1:79:D:GLN:N	2	1.32	0.0	1.32
(1,44)	1:32:A:PHE:C	1:33:A:GLN:N	1:33:A:GLN:CA	1:33:A:GLN:C	2	1.31	0.26	1.31
(1,558)	1:42:C:LEU:C	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	2	1.29	0.0	1.29
(1,605)	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	1:69:C:GLY:N	2	1.27	0.26	1.27
(1,593)	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	1:63:C:THR:N	2	1.26	0.22	1.26

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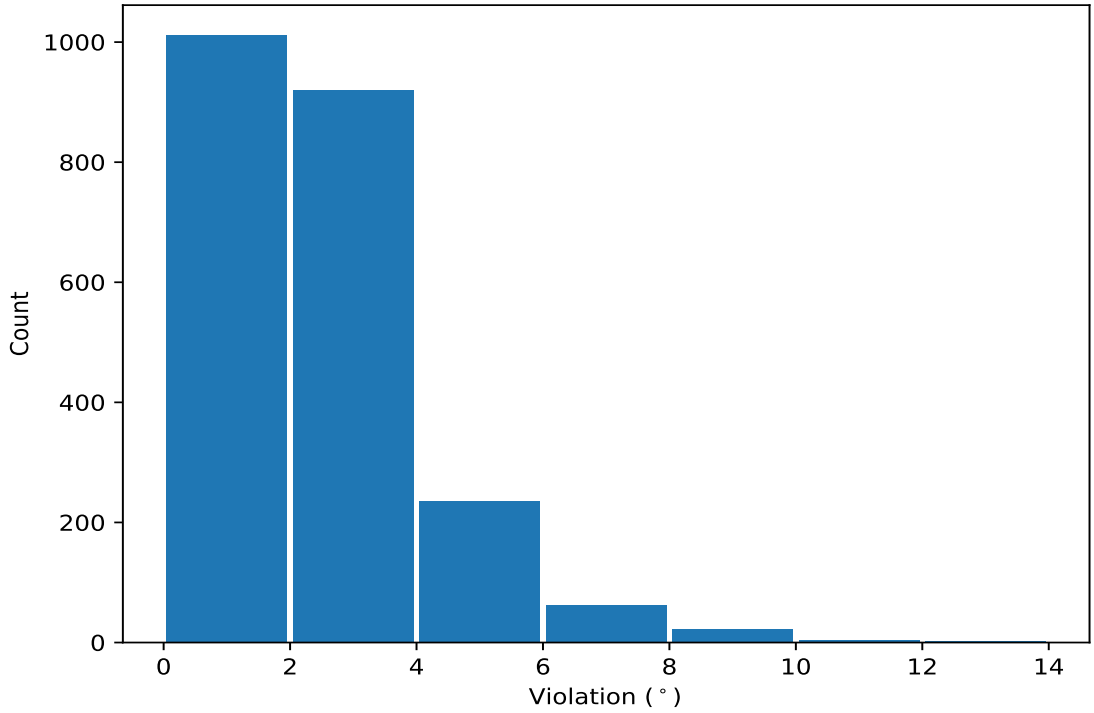
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,676)	1:111:C:ARG:C	1:112:C:GLU:N	1:112:C:GLU:CA	1:112:C:GLU:C	2	1.26	0.02	1.26
(1,631)	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	1:82:C:GLY:N	2	1.24	0.12	1.24
(1,778)	1:40:D:VAL:C	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	2	1.17	0.12	1.17
(1,750)	1:23:D:PHE:C	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	2	1.14	0.03	1.14
(1,756)	1:27:D:ASN:C	1:28:D:ALA:N	1:28:D:ALA:CA	1:28:D:ALA:C	2	1.12	0.03	1.12
(1,621)	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	1:77:C:GLU:N	2	1.12	0.06	1.12
(1,811)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:VAL:N	2	1.1	0.02	1.1
(1,135)	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	1:80:A:GLN:N	2	1.06	0.04	1.06
(1,404)	1:87:B:ALA:C	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	2	1.02	0.02	1.02

[1] Number of violated models, [2]Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



10.5.2 Table: All violated dihedral-angle restraints

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	12	12.97
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	2	12.71
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	18	11.35
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	19	11.29
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	16	10.52
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	18	10.3
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	8	9.97
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1	9.94
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	6	9.72
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	14	9.67
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	20	9.54
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	5	9.38
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	8	9.34
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	10	9.08
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	15	8.83
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	20	8.81
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	10	8.73
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	16	8.72
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	13	8.71
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	4	8.67
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	15	8.67
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	12	8.65
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	4	8.61
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	2	8.52
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	7	8.43
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	13	8.38
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	7	8.32
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	20	8.32
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1	8.18
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	13	7.92
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	5	7.89
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	18	7.7
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	6	7.68
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	2	7.61
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	13	7.39
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	13	7.33
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	18	7.32
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	4	7.31
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	20	7.26
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	18	7.2
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	10	7.19
(1,963)	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	1:138:D:MET:N	6	7.13
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	11	7.09
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	13	7.07
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	18	7.05
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	1	7.05
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	12	7.01
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	8	7.0
(1,252)	1:141:A:LEU:C	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	3	6.99
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	10	6.97
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	6	6.89
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	19	6.84

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	3	6.81
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	1	6.77
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	20	6.74
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	16	6.74
(1,63)	1:43:A:ASP:N	1:43:A:ASP:CA	1:43:A:ASP:C	1:44:A:LEU:N	4	6.74
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	8	6.66
(1,232)	1:131:A:VAL:C	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	3	6.62
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	12	6.59
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	18	6.56
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	13	6.56
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	17	6.55
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	4	6.53
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	6	6.49
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	14	6.47
(1,306)	1:36:B:TRP:C	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	20	6.4
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	4	6.36
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	1	6.36
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	17	6.34
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	8	6.33
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	19	6.27
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	5	6.24
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	9	6.24
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	7	6.23
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	2	6.23
(1,260)	1:11:B:PHE:C	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	15	6.22
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	10	6.21
(1,307)	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	1:38:B:PRO:N	1	6.21
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	11	6.19
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	11	6.16
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	13	6.14
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	12	6.12
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	3	6.11
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	15	6.11
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	17	6.07
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	2	6.07
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	16	6.04
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	1	6.03
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	11	6.02
(1,963)	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	1:138:D:MET:N	1	6.0
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	14	5.99
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	9	5.95
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	3	5.95
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	14	5.87
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	14	5.86
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	14	5.85
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	4	5.84
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	2	5.83
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	10	5.82
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	19	5.81
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	14	5.81
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	2	5.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	10	5.8
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	13	5.78
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	17	5.78
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	1	5.69
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	16	5.68
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	15	5.67
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	15	5.65
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	2	5.64
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	4	5.63
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	14	5.62
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	20	5.62
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	9	5.61
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	11	5.6
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	15	5.56
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	20	5.55
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	11	5.53
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	3	5.52
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	5	5.5
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	12	5.5
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	19	5.49
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	11	5.48
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	1	5.48
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	5	5.47
(1,243)	1:137:A:PHE:N	1:137:A:PHE:CA	1:137:A:PHE:C	1:138:A:MET:N	11	5.47
(1,645)	1:91:C:GLY:N	1:91:C:GLY:CA	1:91:C:GLY:C	1:92:C:THR:N	7	5.45
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	16	5.44
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	19	5.42
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	3	5.36
(1,547)	1:35:C:ASP:N	1:35:C:ASP:CA	1:35:C:ASP:C	1:36:C:TRP:N	1	5.34
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	2	5.32
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	15	5.31
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	3	5.29
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	17	5.28
(1,255)	1:9:B:MET:N	1:9:B:MET:CA	1:9:B:MET:C	1:10:B:THR:N	20	5.27
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	13	5.25
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	14	5.22
(1,697)	1:122:C:THR:N	1:122:C:THR:CA	1:122:C:THR:C	1:123:C:PHE:N	15	5.22
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	20	5.21
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	19	5.19
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	12	5.19
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	17	5.17
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	13	5.17
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	11	5.16
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	5	5.15
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	9	5.14
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	9	5.14
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	10	5.13
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	10	5.12
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	19	5.11
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	20	5.09
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	12	5.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	15	5.04
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	10	5.04
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	5	5.04
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	3	5.03
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	17	5.03
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	19	5.03
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	2	5.0
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	16	5.0
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	13	5.0
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	6	4.99
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	8	4.99
(1,232)	1:131:A:VAL:C	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	13	4.98
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	13	4.96
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	18	4.95
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	15	4.93
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	2	4.93
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	8	4.93
(1,943)	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	1:127:D:ASN:N	17	4.92
(1,312)	1:40:B:VAL:C	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	16	4.92
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1	4.92
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	9	4.9
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	20	4.89
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	13	4.88
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	17	4.88
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	10	4.87
(1,1)	1:9:A:MET:N	1:9:A:MET:CA	1:9:A:MET:C	1:10:A:THR:N	1	4.87
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	5	4.86
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	2	4.86
(1,1)	1:9:A:MET:N	1:9:A:MET:CA	1:9:A:MET:C	1:10:A:THR:N	10	4.85
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	8	4.84
(1,497)	1:141:B:LEU:N	1:141:B:LEU:CA	1:141:B:LEU:C	1:142:B:GLN:N	7	4.83
(1,729)	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1:13:D:ILE:N	7	4.82
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	9	4.81
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	14	4.8
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	19	4.79
(1,401)	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	1:87:B:ALA:N	8	4.79
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	17	4.79
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	7	4.78
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	3	4.76
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	3	4.76
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	4	4.76
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	8	4.75
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	16	4.75
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	1	4.74
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	7	4.74
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	6	4.74
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	14	4.74
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	12	4.72
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	19	4.7
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	4	4.7
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	10	4.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	19	4.68
(1,405)	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	1:89:B:ILE:N	5	4.68
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	19	4.68
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	15	4.68
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	9	4.66
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	4	4.65
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	5	4.64
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	8	4.63
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	8	4.61
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	6	4.6
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	20	4.59
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	7	4.59
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	15	4.59
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	8	4.56
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	6	4.56
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	11	4.55
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	2	4.54
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	14	4.52
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	3	4.52
(1,548)	1:35:C:ASP:C	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	1	4.51
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	11	4.5
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	12	4.49
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	18	4.49
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	6	4.48
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1	4.47
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	18	4.45
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	8	4.44
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	14	4.43
(1,849)	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	1:77:D:GLU:N	16	4.42
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	18	4.42
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	5	4.42
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	8	4.42
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	11	4.42
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	12	4.41
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	20	4.41
(1,645)	1:91:C:GLY:N	1:91:C:GLY:CA	1:91:C:GLY:C	1:92:C:THR:N	3	4.41
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	15	4.41
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	12	4.41
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	20	4.4
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	13	4.4
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	18	4.39
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	15	4.38
(1,301)	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1:35:B:ASP:N	20	4.37
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	18	4.37
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	10	4.37
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	11	4.36
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	7	4.35
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	15	4.34
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	13	4.32
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	2	4.32
(1,868)	1:85:D:SER:C	1:86:D:ILE:N	1:86:D:ILE:CA	1:86:D:ILE:C	3	4.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,871)	1:87:D:ALA:N	1:87:D:ALA:CA	1:87:D:ALA:C	1:88:D:GLY:N	20	4.3
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	1	4.3
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	13	4.29
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	17	4.29
(1,118)	1:70:A:GLU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	10	4.29
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	12	4.27
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	15	4.27
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	9	4.26
(1,553)	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	1:40:C:VAL:N	19	4.26
(1,161)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLN:N	17	4.26
(1,149)	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	1:87:A:ALA:N	1	4.26
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	6	4.25
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	14	4.25
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	15	4.24
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	5	4.24
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	4	4.24
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	3	4.24
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	16	4.23
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	3	4.22
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	8	4.21
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	19	4.2
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	14	4.19
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1	4.18
(1,497)	1:141:B:LEU:N	1:141:B:LEU:CA	1:141:B:LEU:C	1:142:B:GLN:N	17	4.18
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	13	4.18
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	9	4.18
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	2	4.17
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	12	4.17
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	18	4.17
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	12	4.17
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	8	4.16
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	13	4.16
(1,217)	1:122:A:THR:N	1:122:A:THR:CA	1:122:A:THR:C	1:123:A:PHE:N	9	4.16
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	11	4.16
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	17	4.15
(1,722)	1:8:D:GLU:C	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	17	4.15
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	8	4.14
(1,215)	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	1:122:A:THR:N	16	4.14
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	4	4.14
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	13	4.13
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	7	4.13
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	18	4.13
(1,957)	1:134:D:ASP:N	1:134:D:ASP:CA	1:134:D:ASP:C	1:135:D:ALA:N	5	4.12
(1,937)	1:122:D:THR:N	1:122:D:THR:CA	1:122:D:THR:C	1:123:D:PHE:N	19	4.12
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	20	4.12
(1,735)	1:15:D:ARG:N	1:15:D:ARG:CA	1:15:D:ARG:C	1:16:D:ILE:N	7	4.12
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	8	4.12
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	1	4.12
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	6	4.11
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	19	4.11
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	16	4.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	20	4.1
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	19	4.09
(1,546)	1:34:C:LYS:C	1:35:C:ASP:N	1:35:C:ASP:CA	1:35:C:ASP:C	1	4.09
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	20	4.09
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	19	4.08
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	8	4.08
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	17	4.07
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	8	4.06
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	5	4.06
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	15	4.06
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	16	4.05
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	15	4.04
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	6	4.03
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	20	4.03
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	5	4.03
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	6	4.02
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	3	4.02
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	18	4.01
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	20	4.01
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	7	4.0
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	4	3.99
(1,391)	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	1:82:B:GLY:N	4	3.99
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	20	3.98
(1,751)	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	1:25:D:ALA:N	12	3.98
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	13	3.97
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	11	3.97
(1,307)	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	1:38:B:PRO:N	12	3.97
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	14	3.97
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	7	3.97
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	9	3.95
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	19	3.95
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	12	3.95
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	8	3.94
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	17	3.94
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	17	3.94
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	4	3.93
(1,217)	1:122:A:THR:N	1:122:A:THR:CA	1:122:A:THR:C	1:123:A:PHE:N	4	3.93
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	15	3.92
(1,639)	1:85:C:SER:N	1:85:C:SER:CA	1:85:C:SER:C	1:86:C:ILE:N	2	3.92
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	7	3.91
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	18	3.91
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	5	3.9
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	7	3.89
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	6	3.88
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	13	3.87
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	19	3.86
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	16	3.86
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	9	3.86
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	1	3.86
(1,265)	1:14:B:GLN:N	1:14:B:GLN:CA	1:14:B:GLN:C	1:15:B:ARG:N	3	3.86
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	1	3.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	11	3.84
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	9	3.84
(1,706)	1:131:C:VAL:C	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	2	3.83
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	9	3.83
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	18	3.83
(1,717)	1:138:C:MET:N	1:138:C:MET:CA	1:138:C:MET:C	1:139:C:ASN:N	19	3.82
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	5	3.82
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	4	3.81
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	15	3.81
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	8	3.81
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	3	3.8
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	14	3.79
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	11	3.78
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	16	3.78
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	11	3.78
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	17	3.78
(1,355)	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	1:64:B:VAL:N	12	3.77
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	5	3.77
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	9	3.77
(1,779)	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	1:42:D:LEU:N	19	3.76
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	15	3.76
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	7	3.76
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	6	3.75
(1,557)	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	1:43:C:ASP:N	16	3.75
(1,493)	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	1:140:B:TYR:N	7	3.75
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	10	3.74
(1,351)	1:61:B:ARG:N	1:61:B:ARG:CA	1:61:B:ARG:C	1:62:B:VAL:N	13	3.74
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	15	3.73
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	17	3.73
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	13	3.73
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	11	3.73
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	2	3.72
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	13	3.72
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	6	3.72
(1,315)	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	1:43:B:ASP:N	10	3.71
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	11	3.7
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	8	3.7
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	10	3.7
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	3	3.7
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	10	3.69
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	14	3.69
(1,218)	1:122:A:THR:C	1:123:A:PHE:N	1:123:A:PHE:CA	1:123:A:PHE:C	16	3.69
(1,943)	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	1:127:D:ASN:N	1	3.68
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	18	3.67
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	19	3.67
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	3	3.67
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	10	3.66
(1,356)	1:63:B:THR:C	1:64:B:VAL:N	1:64:B:VAL:CA	1:64:B:VAL:C	10	3.66
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	13	3.66
(1,58)	1:40:A:VAL:C	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	13	3.66
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	10	3.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	9	3.65
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	15	3.65
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	7	3.65
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	17	3.65
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	2	3.64
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	5	3.64
(1,606)	1:68:C:LEU:C	1:69:C:GLY:N	1:69:C:GLY:CA	1:69:C:GLY:C	4	3.63
(1,306)	1:36:B:TRP:C	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	2	3.63
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	20	3.62
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	6	3.62
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	13	3.61
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	18	3.61
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	10	3.61
(1,606)	1:68:C:LEU:C	1:69:C:GLY:N	1:69:C:GLY:CA	1:69:C:GLY:C	5	3.6
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	17	3.6
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	7	3.6
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	19	3.6
(1,549)	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	1:37:C:GLN:N	15	3.59
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	14	3.59
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	7	3.58
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	8	3.58
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	15	3.58
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	7	3.58
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	8	3.57
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	4	3.57
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	10	3.57
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	13	3.57
(1,724)	1:9:D:MET:C	1:10:D:THR:N	1:10:D:THR:CA	1:10:D:THR:C	15	3.56
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	1	3.56
(1,146)	1:84:A:PHE:C	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	5	3.56
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	10	3.55
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	8	3.55
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	14	3.54
(1,650)	1:95:C:ALA:C	1:96:C:HIS:N	1:96:C:HIS:CA	1:96:C:HIS:C	19	3.54
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	15	3.54
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	5	3.54
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	12	3.53
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	5	3.53
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	18	3.53
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	5	3.53
(1,176)	1:99:A:GLY:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	9	3.53
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	9	3.53
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	19	3.53
(1,9)	1:13:A:ILE:N	1:13:A:ILE:CA	1:13:A:ILE:C	1:14:A:GLN:N	14	3.53
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	11	3.52
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	13	3.51
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	10	3.51
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	4	3.51
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	2	3.51
(1,455)	1:115:B:THR:N	1:115:B:THR:CA	1:115:B:THR:C	1:116:B:SER:N	6	3.5
(1,970)	1:140:D:TYR:C	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	19	3.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	11	3.49
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	10	3.49
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	19	3.49
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	17	3.48
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	17	3.48
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	3	3.48
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	6	3.48
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	15	3.48
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	7	3.48
(1,963)	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	1:138:D:MET:N	11	3.47
(1,622)	1:76:C:CYS:C	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	2	3.47
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	11	3.47
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	13	3.47
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	5	3.46
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	10	3.46
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	16	3.46
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	14	3.46
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	5	3.45
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	8	3.45
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	19	3.45
(1,859)	1:81:D:GLY:N	1:81:D:GLY:CA	1:81:D:GLY:C	1:82:D:GLY:N	14	3.44
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	12	3.44
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	5	3.44
(1,128)	1:75:A:LEU:C	1:76:A:CYS:N	1:76:A:CYS:CA	1:76:A:CYS:C	5	3.44
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	1	3.43
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	8	3.43
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	3	3.43
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	12	3.43
(1,895)	1:99:D:GLY:N	1:99:D:GLY:CA	1:99:D:GLY:C	1:100:D:ALA:N	4	3.42
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	10	3.42
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	10	3.42
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	3	3.42
(1,626)	1:78:C:VAL:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	17	3.41
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	20	3.41
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	12	3.41
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	13	3.41
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	12	3.4
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1	3.4
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	16	3.4
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	4	3.39
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	4	3.39
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	4	3.39
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	3	3.39
(1,971)	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	1:142:D:GLN:N	16	3.38
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	19	3.38
(1,703)	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	1:128:C:LEU:N	5	3.38
(1,568)	1:48:C:SER:C	1:49:C:SER:N	1:49:C:SER:CA	1:49:C:SER:C	13	3.38
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	9	3.38
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	7	3.37
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	18	3.37
(1,701)	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	1:126:C:LEU:N	6	3.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,571)	1:50:C:GLN:N	1:50:C:GLN:CA	1:50:C:GLN:C	1:51:C:LEU:N	20	3.37
(1,312)	1:40:B:VAL:C	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	14	3.37
(1,301)	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1:35:B:ASP:N	8	3.37
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	5	3.37
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	19	3.36
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	2	3.36
(1,257)	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	1:11:B:PHE:N	1	3.36
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	18	3.36
(1,729)	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1:13:D:ILE:N	4	3.35
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	3	3.35
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	13	3.35
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	9	3.35
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	14	3.35
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	10	3.34
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	20	3.33
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	7	3.33
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	5	3.33
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	15	3.32
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	6	3.32
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	15	3.31
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	1	3.31
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	12	3.31
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	19	3.31
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	3	3.31
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	17	3.31
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	3	3.31
(1,319)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:THR:N	8	3.3
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	15	3.3
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	12	3.29
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	12	3.29
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	20	3.29
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	17	3.28
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	9	3.28
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	2	3.28
(1,91)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:VAL:N	2	3.28
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	19	3.27
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	14	3.27
(1,399)	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	1:86:B:ILE:N	15	3.27
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	1	3.27
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	4	3.25
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	14	3.25
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	18	3.25
(1,256)	1:9:B:MET:C	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	16	3.25
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	20	3.25
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	10	3.25
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	3	3.24
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	3	3.24
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	6	3.24
(1,307)	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	1:38:B:PRO:N	16	3.24
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	2	3.23
(1,360)	1:65:B:THR:C	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	18	3.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,298)	1:32:B:PHE:C	1:33:B:GLN:N	1:33:B:GLN:CA	1:33:B:GLN:C	1	3.23
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	2	3.23
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	16	3.23
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	7	3.22
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	9	3.22
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	19	3.22
(1,595)	1:63:C:THR:N	1:63:C:THR:CA	1:63:C:THR:C	1:64:C:VAL:N	11	3.21
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	15	3.21
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	12	3.21
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	6	3.21
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	18	3.21
(1,865)	1:84:D:PHE:N	1:84:D:PHE:CA	1:84:D:PHE:C	1:85:D:SER:N	14	3.2
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	11	3.2
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	20	3.2
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	10	3.2
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	14	3.2
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	9	3.19
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	13	3.19
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	14	3.19
(1,109)	1:66:A:ALA:N	1:66:A:ALA:CA	1:66:A:ALA:C	1:67:A:SER:N	13	3.19
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	20	3.19
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	2	3.18
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	6	3.18
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	8	3.18
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	8	3.17
(1,511)	1:15:C:ARG:N	1:15:C:ARG:CA	1:15:C:ARG:C	1:16:C:ILE:N	14	3.17
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	10	3.17
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	6	3.16
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	5	3.16
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	11	3.16
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	11	3.15
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	14	3.14
(1,758)	1:29:D:PRO:C	1:30:D:HIS:N	1:30:D:HIS:CA	1:30:D:HIS:C	10	3.14
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	18	3.14
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	18	3.14
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	15	3.13
(1,639)	1:85:C:SER:N	1:85:C:SER:CA	1:85:C:SER:C	1:86:C:ILE:N	9	3.13
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	19	3.13
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	15	3.13
(1,384)	1:77:B:GLU:C	1:78:B:VAL:N	1:78:B:VAL:CA	1:78:B:VAL:C	16	3.13
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	12	3.13
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	7	3.13
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	2	3.12
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	6	3.12
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	17	3.12
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	20	3.12
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	11	3.12
(1,859)	1:81:D:GLY:N	1:81:D:GLY:CA	1:81:D:GLY:C	1:82:D:GLY:N	1	3.11
(1,530)	1:24:C:GLU:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	7	3.11
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	16	3.11
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	11	3.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	11	3.1
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	4	3.1
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	13	3.1
(1,292)	1:29:B:PRO:C	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	11	3.1
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	5	3.09
(1,49)	1:35:A:ASP:N	1:35:A:ASP:CA	1:35:A:ASP:C	1:36:A:TRP:N	13	3.09
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	9	3.08
(1,603)	1:67:C:SER:N	1:67:C:SER:CA	1:67:C:SER:C	1:68:C:LEU:N	18	3.08
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	5	3.08
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	11	3.08
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	19	3.08
(1,47)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:ASP:N	6	3.08
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	7	3.07
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	16	3.07
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	19	3.07
(1,592)	1:61:C:ARG:C	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	12	3.07
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	17	3.07
(1,323)	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	1:48:B:SER:N	20	3.07
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	5	3.06
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	16	3.06
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	11	3.05
(1,620)	1:75:C:LEU:C	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	5	3.05
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	20	3.05
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	4	3.05
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	6	3.05
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	9	3.05
(1,475)	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1:127:B:ASN:N	20	3.04
(1,329)	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	1:51:B:LEU:N	7	3.04
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	17	3.04
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	16	3.04
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	1	3.03
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	16	3.03
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	17	3.02
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	5	3.02
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	14	3.02
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	1	3.02
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	16	3.02
(1,639)	1:85:C:SER:N	1:85:C:SER:CA	1:85:C:SER:C	1:86:C:ILE:N	20	3.02
(1,255)	1:9:B:MET:N	1:9:B:MET:CA	1:9:B:MET:C	1:10:B:THR:N	15	3.02
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	12	3.02
(1,529)	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	1:25:C:ALA:N	8	3.01
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	20	3.01
(1,137)	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	1:81:A:GLY:N	9	3.01
(1,128)	1:75:A:LEU:C	1:76:A:CYS:N	1:76:A:CYS:CA	1:76:A:CYS:C	13	3.01
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	18	3.0
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	16	3.0
(1,706)	1:131:C:VAL:C	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	12	3.0
(1,401)	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	1:87:B:ALA:N	5	3.0
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	3	3.0
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	8	2.99
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	16	2.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	19	2.98
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	19	2.98
(1,877)	1:90:D:GLU:N	1:90:D:GLU:CA	1:90:D:GLU:C	1:91:D:GLY:N	11	2.97
(1,865)	1:84:D:PHE:N	1:84:D:PHE:CA	1:84:D:PHE:C	1:85:D:SER:N	12	2.97
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	6	2.97
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	12	2.97
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	20	2.97
(1,596)	1:63:C:THR:C	1:64:C:VAL:N	1:64:C:VAL:CA	1:64:C:VAL:C	18	2.97
(1,405)	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	1:89:B:ILE:N	10	2.97
(1,871)	1:87:D:ALA:N	1:87:D:ALA:CA	1:87:D:ALA:C	1:88:D:GLY:N	18	2.96
(1,822)	1:62:D:VAL:C	1:63:D:THR:N	1:63:D:THR:CA	1:63:D:THR:C	1	2.96
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	11	2.96
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	20	2.96
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	10	2.96
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	19	2.95
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	3	2.95
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	17	2.94
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	6	2.94
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	8	2.94
(1,259)	1:11:B:PHE:N	1:11:B:PHE:CA	1:11:B:PHE:C	1:12:B:GLN:N	15	2.93
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	6	2.92
(1,751)	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	1:25:D:ALA:N	15	2.92
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	20	2.92
(1,364)	1:67:B:SER:C	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	14	2.92
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	2	2.91
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	2	2.91
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	14	2.91
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	18	2.91
(1,114)	1:68:A:LEU:C	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	3	2.91
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	5	2.91
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	14	2.9
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	20	2.9
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	8	2.9
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	2	2.9
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	15	2.9
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	17	2.89
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	14	2.89
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	7	2.89
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	6	2.89
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	12	2.88
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	9	2.88
(1,403)	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1:88:B:GLY:N	18	2.88
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	12	2.88
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	7	2.88
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	17	2.87
(1,596)	1:63:C:THR:C	1:64:C:VAL:N	1:64:C:VAL:CA	1:64:C:VAL:C	4	2.87
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	14	2.87
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	4	2.86
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	16	2.86
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	4	2.86
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	7	2.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	20	2.86
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	3	2.85
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	10	2.85
(1,374)	1:72:B:THR:C	1:73:B:ALA:N	1:73:B:ALA:CA	1:73:B:ALA:C	2	2.85
(1,973)	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	1:143:D:GLN:N	7	2.84
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	4	2.84
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	18	2.84
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	9	2.84
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	6	2.84
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	9	2.84
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	16	2.84
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	15	2.84
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	7	2.83
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	5	2.83
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	14	2.83
(1,501)	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	1:11:C:PHE:N	15	2.83
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	19	2.83
(1,305)	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	1:37:B:GLN:N	13	2.83
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	19	2.83
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	20	2.82
(1,413)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLN:N	8	2.82
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	19	2.81
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	11	2.81
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	5	2.8
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1	2.8
(1,626)	1:78:C:VAL:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	8	2.8
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	13	2.8
(1,943)	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	1:127:D:ASN:N	14	2.79
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	4	2.79
(1,717)	1:138:C:MET:N	1:138:C:MET:CA	1:138:C:MET:C	1:139:C:ASN:N	16	2.79
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	2	2.79
(1,354)	1:62:B:VAL:C	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	9	2.79
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	16	2.79
(1,322)	1:46:B:THR:C	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	18	2.79
(1,115)	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	1:70:A:GLU:N	20	2.79
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	4	2.79
(1,957)	1:134:D:ASP:N	1:134:D:ASP:CA	1:134:D:ASP:C	1:135:D:ALA:N	18	2.78
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	17	2.78
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	1	2.78
(1,309)	1:39:B:GLU:N	1:39:B:GLU:CA	1:39:B:GLU:C	1:40:B:VAL:N	4	2.78
(1,229)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:PRO:N	19	2.78
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	19	2.78
(1,875)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:GLU:N	5	2.77
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	13	2.77
(1,137)	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	1:81:A:GLY:N	10	2.77
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	12	2.77
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	16	2.77
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	12	2.76
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	16	2.76
(1,233)	1:132:A:ASN:N	1:132:A:ASN:CA	1:132:A:ASN:C	1:133:A:PHE:N	1	2.76
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	19	2.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	5	2.75
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	11	2.75
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	12	2.75
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	20	2.75
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	15	2.74
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	7	2.74
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	16	2.74
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	3	2.73
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	3	2.73
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	17	2.73
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	14	2.73
(1,114)	1:68:A:LEU:C	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	16	2.73
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	14	2.72
(1,941)	1:125:D:GLN:N	1:125:D:GLN:CA	1:125:D:GLN:C	1:126:D:LEU:N	12	2.72
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	20	2.72
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	2	2.72
(1,569)	1:49:C:SER:N	1:49:C:SER:CA	1:49:C:SER:C	1:50:C:GLN:N	7	2.72
(1,248)	1:139:A:ASN:C	1:140:A:TYR:N	1:140:A:TYR:CA	1:140:A:TYR:C	3	2.72
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	14	2.72
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	5	2.71
(1,645)	1:91:C:GLY:N	1:91:C:GLY:CA	1:91:C:GLY:C	1:92:C:THR:N	5	2.71
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	17	2.71
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	10	2.71
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	2	2.71
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	12	2.7
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	15	2.69
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	11	2.69
(1,502)	1:10:C:THR:C	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	9	2.69
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	16	2.69
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	1	2.69
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	3	2.69
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	3	2.69
(1,128)	1:75:A:LEU:C	1:76:A:CYS:N	1:76:A:CYS:CA	1:76:A:CYS:C	16	2.69
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	15	2.68
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	15	2.68
(1,405)	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	1:89:B:ILE:N	3	2.68
(1,64)	1:43:A:ASP:C	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1	2.68
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	12	2.67
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	2	2.67
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	3	2.67
(1,347)	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	1:60:B:LEU:N	18	2.67
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	7	2.67
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	14	2.67
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	6	2.67
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	20	2.67
(1,229)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:PRO:N	14	2.67
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	7	2.67
(1,11)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	4	2.67
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	15	2.66
(1,411)	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	1:92:B:THR:N	8	2.66
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	9	2.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	4	2.66
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	4	2.65
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	12	2.65
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	16	2.65
(1,507)	1:13:C:ILE:N	1:13:C:ILE:CA	1:13:C:ILE:C	1:14:C:GLN:N	4	2.65
(1,151)	1:87:A:ALA:N	1:87:A:ALA:CA	1:87:A:ALA:C	1:88:A:GLY:N	1	2.65
(1,898)	1:100:D:ALA:C	1:101:D:TYR:N	1:101:D:TYR:CA	1:101:D:TYR:C	19	2.64
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	20	2.64
(1,553)	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	1:40:C:VAL:N	2	2.64
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	12	2.63
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	12	2.63
(1,529)	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	1:25:C:ALA:N	1	2.63
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	13	2.63
(1,407)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:GLU:N	17	2.63
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	3	2.63
(1,215)	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	1:122:A:THR:N	8	2.63
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	3	2.63
(1,957)	1:134:D:ASP:N	1:134:D:ASP:CA	1:134:D:ASP:C	1:135:D:ALA:N	17	2.62
(1,871)	1:87:D:ALA:N	1:87:D:ALA:CA	1:87:D:ALA:C	1:88:D:GLY:N	4	2.62
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	5	2.62
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	9	2.62
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	20	2.62
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	10	2.62
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	19	2.62
(1,58)	1:40:A:VAL:C	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	7	2.62
(1,957)	1:134:D:ASP:N	1:134:D:ASP:CA	1:134:D:ASP:C	1:135:D:ALA:N	6	2.61
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	1	2.61
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	12	2.61
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	12	2.61
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	15	2.61
(1,325)	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	1:49:B:SER:N	7	2.61
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	11	2.61
(1,226)	1:127:A:ASN:C	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	7	2.61
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	20	2.61
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	12	2.6
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	9	2.6
(1,29)	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	1:24:A:GLU:N	12	2.6
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	15	2.59
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	15	2.59
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	9	2.59
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	14	2.59
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	5	2.59
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	1	2.59
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	12	2.59
(1,28)	1:22:A:SER:C	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	13	2.59
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	6	2.59
(1,869)	1:86:D:ILE:N	1:86:D:ILE:CA	1:86:D:ILE:C	1:87:D:ALA:N	16	2.58
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	3	2.58
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	17	2.58
(1,154)	1:88:A:GLY:C	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	9	2.58
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	11	2.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:66:A:ALA:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	12	2.58
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	1	2.57
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	5	2.57
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	14	2.57
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	12	2.57
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	17	2.57
(1,854)	1:78:D:VAL:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	19	2.56
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	15	2.56
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	2	2.56
(1,146)	1:84:A:PHE:C	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	16	2.56
(1,134)	1:78:A:VAL:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	19	2.56
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	3	2.56
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	20	2.56
(1,529)	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	1:25:C:ALA:N	12	2.55
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	19	2.55
(1,237)	1:134:A:ASP:N	1:134:A:ASP:CA	1:134:A:ASP:C	1:135:A:ALA:N	18	2.55
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	4	2.54
(1,779)	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	1:42:D:LEU:N	17	2.54
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	15	2.54
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	1	2.54
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	20	2.54
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	11	2.54
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	19	2.54
(1,794)	1:48:D:SER:C	1:49:D:SER:N	1:49:D:SER:CA	1:49:D:SER:C	4	2.53
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	15	2.53
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	20	2.53
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	18	2.53
(1,152)	1:87:A:ALA:C	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	12	2.53
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	6	2.52
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	8	2.52
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	9	2.52
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	14	2.52
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	15	2.52
(1,967)	1:139:D:ASN:N	1:139:D:ASN:CA	1:139:D:ASN:C	1:140:D:TYR:N	8	2.51
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	13	2.51
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	10	2.51
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	18	2.51
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	12	2.5
(1,871)	1:87:D:ALA:N	1:87:D:ALA:CA	1:87:D:ALA:C	1:88:D:GLY:N	16	2.5
(1,729)	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1:13:D:ILE:N	10	2.5
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	5	2.5
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	19	2.5
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	3	2.5
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	7	2.5
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	10	2.49
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	19	2.49
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	4	2.49
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	16	2.49
(1,106)	1:64:A:VAL:C	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	6	2.49
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	18	2.49
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	15	2.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	14	2.48
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	12	2.48
(1,963)	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	1:138:D:MET:N	3	2.47
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	10	2.47
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	6	2.47
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	10	2.47
(1,475)	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1:127:B:ASN:N	9	2.47
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	7	2.47
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	20	2.47
(1,223)	1:126:A:LEU:N	1:126:A:LEU:CA	1:126:A:LEU:C	1:127:A:ASN:N	13	2.47
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	7	2.47
(1,28)	1:22:A:SER:C	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	16	2.47
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	20	2.46
(1,749)	1:23:D:PHE:N	1:23:D:PHE:CA	1:23:D:PHE:C	1:24:D:GLU:N	17	2.46
(1,630)	1:80:C:GLN:C	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	8	2.46
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	14	2.46
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	2	2.46
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	14	2.46
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	1	2.45
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	3	2.45
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	5	2.45
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1	2.45
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	2	2.44
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	3	2.44
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	9	2.44
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	14	2.44
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	16	2.44
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	18	2.44
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	1	2.44
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	1	2.44
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	9	2.43
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	8	2.43
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	1	2.42
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	15	2.42
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	16	2.42
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	16	2.42
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	14	2.42
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	17	2.42
(1,557)	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	1:43:C:ASP:N	4	2.41
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	13	2.41
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	18	2.41
(1,327)	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	1:50:B:GLN:N	8	2.41
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	8	2.41
(1,149)	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	1:87:A:ALA:N	11	2.41
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	18	2.41
(1,59)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LEU:N	9	2.41
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	11	2.4
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	15	2.4
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	20	2.4
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	2	2.4
(1,564)	1:46:C:THR:C	1:47:C:ALA:N	1:47:C:ALA:CA	1:47:C:ALA:C	11	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,548)	1:35:C:ASP:C	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	7	2.4
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	14	2.4
(1,146)	1:84:A:PHE:C	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	15	2.4
(1,57)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:LYS:N	8	2.4
(1,27)	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	1:23:A:PHE:N	15	2.4
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	10	2.39
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	8	2.39
(1,814)	1:58:D:VAL:C	1:59:D:VAL:N	1:59:D:VAL:CA	1:59:D:VAL:C	16	2.39
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	14	2.39
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	16	2.39
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	3	2.39
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	17	2.39
(1,85)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:VAL:N	8	2.39
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	18	2.39
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	6	2.38
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	7	2.38
(1,500)	1:9:C:MET:C	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	6	2.38
(1,357)	1:64:B:VAL:N	1:64:B:VAL:CA	1:64:B:VAL:C	1:65:B:THR:N	11	2.38
(1,218)	1:122:A:THR:C	1:123:A:PHE:N	1:123:A:PHE:CA	1:123:A:PHE:C	8	2.38
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	20	2.38
(1,793)	1:48:D:SER:N	1:48:D:SER:CA	1:48:D:SER:C	1:49:D:SER:N	16	2.37
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	5	2.37
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	11	2.37
(1,556)	1:41:C:LYS:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	15	2.37
(1,479)	1:128:B:LEU:N	1:128:B:LEU:CA	1:128:B:LEU:C	1:129:B:ALA:N	16	2.37
(1,361)	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	1:67:B:SER:N	4	2.37
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	4	2.37
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	8	2.37
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	9	2.37
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	10	2.36
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	16	2.36
(1,227)	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	1:129:A:ALA:N	15	2.36
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	7	2.36
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	9	2.35
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	10	2.35
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	14	2.35
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	6	2.35
(1,898)	1:100:D:ALA:C	1:101:D:TYR:N	1:101:D:TYR:CA	1:101:D:TYR:C	14	2.34
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	14	2.34
(1,782)	1:42:D:LEU:C	1:43:D:ASP:N	1:43:D:ASP:CA	1:43:D:ASP:C	5	2.34
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	7	2.34
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	10	2.34
(1,469)	1:122:B:THR:N	1:122:B:THR:CA	1:122:B:THR:C	1:123:B:PHE:N	16	2.34
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	4	2.33
(1,557)	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	1:43:C:ASP:N	9	2.33
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	4	2.33
(1,401)	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	1:87:B:ALA:N	6	2.33
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	19	2.33
(1,325)	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	1:49:B:SER:N	10	2.33
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	11	2.33
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	2	2.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	14	2.33
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	2	2.32
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	9	2.32
(1,475)	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1:127:B:ASN:N	11	2.32
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	7	2.32
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	15	2.32
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	19	2.32
(1,85)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:VAL:N	18	2.32
(1,28)	1:22:A:SER:C	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	19	2.32
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	6	2.31
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	9	2.31
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	6	2.31
(1,492)	1:138:B:MET:C	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	13	2.31
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	16	2.31
(1,119)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:THR:N	19	2.31
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	6	2.31
(1,45)	1:33:A:GLN:N	1:33:A:GLN:CA	1:33:A:GLN:C	1:34:A:LYS:N	6	2.31
(1,642)	1:89:C:ILE:C	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	18	2.3
(1,559)	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	1:44:C:LEU:N	19	2.3
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	3	2.3
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	14	2.3
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	19	2.29
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	2	2.29
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	10	2.29
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	5	2.29
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	8	2.29
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	12	2.29
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	17	2.28
(1,564)	1:46:C:THR:C	1:47:C:ALA:N	1:47:C:ALA:CA	1:47:C:ALA:C	9	2.28
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	6	2.28
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	19	2.28
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	15	2.28
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	10	2.27
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	7	2.27
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	1	2.27
(1,748)	1:22:D:SER:C	1:23:D:PHE:N	1:23:D:PHE:CA	1:23:D:PHE:C	15	2.27
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1	2.27
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	7	2.27
(1,226)	1:127:A:ASN:C	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	9	2.27
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	7	2.27
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	14	2.27
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	20	2.27
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	7	2.26
(1,764)	1:32:D:PHE:C	1:33:D:GLN:N	1:33:D:GLN:CA	1:33:D:GLN:C	9	2.26
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	1	2.26
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	11	2.26
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	7	2.26
(1,158)	1:90:A:GLU:C	1:91:A:GLY:N	1:91:A:GLY:CA	1:91:A:GLY:C	1	2.26
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	16	2.26
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	15	2.26
(1,971)	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	1:142:D:GLN:N	2	2.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	8	2.25
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	12	2.25
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	3	2.25
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	2	2.25
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	7	2.25
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	17	2.24
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	11	2.24
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	17	2.24
(1,530)	1:24:C:GLU:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	15	2.24
(1,355)	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	1:64:B:VAL:N	8	2.24
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	10	2.24
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	16	2.24
(1,114)	1:68:A:LEU:C	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	14	2.24
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	18	2.23
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	17	2.23
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	18	2.23
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	6	2.23
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	18	2.23
(1,557)	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	1:43:C:ASP:N	3	2.23
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	10	2.23
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	7	2.23
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	12	2.23
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	2	2.23
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	20	2.23
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	11	2.23
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	18	2.23
(1,474)	1:125:B:GLN:C	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1	2.22
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	14	2.22
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	7	2.22
(1,222)	1:125:A:GLN:C	1:126:A:LEU:N	1:126:A:LEU:CA	1:126:A:LEU:C	16	2.22
(1,953)	1:132:D:ASN:N	1:132:D:ASN:CA	1:132:D:ASN:C	1:133:D:PHE:N	11	2.21
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	4	2.21
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	9	2.21
(1,530)	1:24:C:GLU:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	2	2.21
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	20	2.21
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	12	2.21
(1,867)	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	1:86:D:ILE:N	12	2.2
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	20	2.2
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	7	2.2
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	20	2.2
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	8	2.19
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	13	2.19
(1,411)	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	1:92:B:THR:N	10	2.19
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	10	2.19
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	11	2.19
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	3	2.19
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	11	2.19
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	1	2.19
(1,147)	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	1:86:A:ILE:N	3	2.19
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	3	2.19
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	5	2.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	2	2.18
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	17	2.18
(1,41)	1:31:A:VAL:N	1:31:A:VAL:CA	1:31:A:VAL:C	1:32:A:PHE:N	18	2.18
(1,701)	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	1:126:C:LEU:N	11	2.17
(1,354)	1:62:B:VAL:C	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	2	2.17
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	2	2.17
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	17	2.17
(1,782)	1:42:D:LEU:C	1:43:D:ASP:N	1:43:D:ASP:CA	1:43:D:ASP:C	1	2.16
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	18	2.16
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	19	2.16
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	18	2.16
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	15	2.16
(1,950)	1:130:D:PRO:C	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	8	2.15
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	20	2.15
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	17	2.15
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	16	2.15
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	1	2.15
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	19	2.15
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	9	2.15
(1,257)	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	1:11:B:PHE:N	15	2.15
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	16	2.14
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1	2.14
(1,519)	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	1:20:C:ASP:N	18	2.14
(1,176)	1:99:A:GLY:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	16	2.14
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	10	2.14
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	17	2.13
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	7	2.13
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	13	2.13
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	19	2.13
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	18	2.13
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	11	2.13
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	1	2.13
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	9	2.13
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	7	2.12
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	16	2.12
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	5	2.12
(1,717)	1:138:C:MET:N	1:138:C:MET:CA	1:138:C:MET:C	1:139:C:ASN:N	12	2.12
(1,534)	1:27:C:ASN:C	1:28:C:ALA:N	1:28:C:ALA:CA	1:28:C:ALA:C	12	2.12
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	9	2.12
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	4	2.12
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	16	2.12
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	20	2.12
(1,32)	1:24:A:GLU:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	20	2.12
(1,867)	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	1:86:D:ILE:N	7	2.11
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	12	2.11
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	3	2.11
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	14	2.11
(1,326)	1:48:B:SER:C	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	6	2.11
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	11	2.11
(1,620)	1:75:C:LEU:C	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	17	2.1
(1,559)	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	1:44:C:LEU:N	4	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	17	2.1
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	10	2.09
(1,525)	1:22:C:SER:N	1:22:C:SER:CA	1:22:C:SER:C	1:23:C:PHE:N	16	2.09
(1,428)	1:99:B:GLY:C	1:100:B:ALA:N	1:100:B:ALA:CA	1:100:B:ALA:C	4	2.09
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	15	2.09
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	18	2.09
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	8	2.09
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	10	2.08
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	13	2.08
(1,875)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:GLU:N	8	2.07
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	3	2.07
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	14	2.07
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	13	2.07
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	19	2.07
(1,501)	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	1:11:C:PHE:N	20	2.07
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	4	2.07
(1,115)	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	1:70:A:GLU:N	17	2.07
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	13	2.06
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	10	2.06
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	17	2.06
(1,428)	1:99:B:GLY:C	1:100:B:ALA:N	1:100:B:ALA:CA	1:100:B:ALA:C	7	2.06
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	14	2.06
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	13	2.06
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	4	2.06
(1,74)	1:48:A:SER:C	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	8	2.06
(1,866)	1:84:D:PHE:C	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	11	2.05
(1,832)	1:67:D:SER:C	1:68:D:LEU:N	1:68:D:LEU:CA	1:68:D:LEU:C	19	2.05
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	1	2.05
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	10	2.05
(1,407)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:GLU:N	18	2.05
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	8	2.05
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	2	2.05
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	9	2.05
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	4	2.05
(1,896)	1:99:D:GLY:C	1:100:D:ALA:N	1:100:D:ALA:CA	1:100:D:ALA:C	15	2.04
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	11	2.04
(1,571)	1:50:C:GLN:N	1:50:C:GLN:CA	1:50:C:GLN:C	1:51:C:LEU:N	13	2.04
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	20	2.04
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	16	2.04
(1,306)	1:36:B:TRP:C	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	11	2.04
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	5	2.04
(1,53)	1:37:A:GLN:N	1:37:A:GLN:CA	1:37:A:GLN:C	1:38:A:PRO:N	18	2.04
(1,806)	1:54:D:ASP:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	3	2.03
(1,787)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:THR:N	14	2.03
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	2	2.03
(1,628)	1:79:C:GLN:C	1:80:C:GLN:N	1:80:C:GLN:CA	1:80:C:GLN:C	8	2.03
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	5	2.03
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	8	2.03
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	6	2.03
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	11	2.03
(1,522)	1:20:C:ASP:C	1:21:C:ILE:N	1:21:C:ILE:CA	1:21:C:ILE:C	14	2.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,485)	1:134:B:ASP:N	1:134:B:ASP:CA	1:134:B:ASP:C	1:135:B:ALA:N	13	2.03
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	4	2.02
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	18	2.02
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	14	2.02
(1,709)	1:133:C:PHE:N	1:133:C:PHE:CA	1:133:C:PHE:C	1:134:C:ASP:N	13	2.01
(1,617)	1:74:C:PHE:N	1:74:C:PHE:CA	1:74:C:PHE:C	1:75:C:LEU:N	19	2.01
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	13	2.01
(1,502)	1:10:C:THR:C	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	17	2.01
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	9	2.01
(1,410)	1:90:B:GLU:C	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	3	2.01
(1,317)	1:43:B:ASP:N	1:43:B:ASP:CA	1:43:B:ASP:C	1:44:B:LEU:N	12	2.01
(1,222)	1:125:A:GLN:C	1:126:A:LEU:N	1:126:A:LEU:CA	1:126:A:LEU:C	18	2.01
(1,140)	1:81:A:GLY:C	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	4	2.01
(1,49)	1:35:A:ASP:N	1:35:A:ASP:CA	1:35:A:ASP:C	1:36:A:TRP:N	7	2.01
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	14	2.01
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	4	2.0
(1,559)	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	1:44:C:LEU:N	16	2.0
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	2	2.0
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	19	2.0
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	14	2.0
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	13	2.0
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	15	2.0
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	12	1.99
(1,877)	1:90:D:GLU:N	1:90:D:GLU:CA	1:90:D:GLU:C	1:91:D:GLY:N	10	1.99
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	13	1.99
(1,606)	1:68:C:LEU:C	1:69:C:GLY:N	1:69:C:GLY:CA	1:69:C:GLY:C	16	1.99
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	2	1.99
(1,511)	1:15:C:ARG:N	1:15:C:ARG:CA	1:15:C:ARG:C	1:16:C:ILE:N	18	1.99
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	19	1.99
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	18	1.99
(1,380)	1:75:B:LEU:C	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	2	1.99
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	14	1.99
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	17	1.99
(1,252)	1:141:A:LEU:C	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	17	1.99
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	15	1.99
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	7	1.99
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	2	1.98
(1,898)	1:100:D:ALA:C	1:101:D:TYR:N	1:101:D:TYR:CA	1:101:D:TYR:C	2	1.98
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	4	1.98
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	13	1.98
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	11	1.98
(1,548)	1:35:C:ASP:C	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	15	1.98
(1,222)	1:125:A:GLN:C	1:126:A:LEU:N	1:126:A:LEU:CA	1:126:A:LEU:C	10	1.98
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	16	1.97
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	1	1.97
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	6	1.97
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	10	1.97
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	9	1.97
(1,580)	1:54:C:ASP:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	14	1.97
(1,421)	1:96:B:HIS:N	1:96:B:HIS:CA	1:96:B:HIS:C	1:97:B:CYS:N	3	1.97
(1,384)	1:77:B:GLU:C	1:78:B:VAL:N	1:78:B:VAL:CA	1:78:B:VAL:C	8	1.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	9	1.97
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	2	1.97
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	9	1.97
(1,299)	1:33:B:GLN:N	1:33:B:GLN:CA	1:33:B:GLN:C	1:34:B:LYS:N	16	1.97
(1,972)	1:141:D:LEU:C	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	3	1.96
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	12	1.96
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	8	1.96
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	8	1.96
(1,229)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:PRO:N	1	1.96
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	19	1.95
(1,698)	1:122:C:THR:C	1:123:C:PHE:N	1:123:C:PHE:CA	1:123:C:PHE:C	16	1.95
(1,642)	1:89:C:ILE:C	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	11	1.95
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	9	1.95
(1,497)	1:141:B:LEU:N	1:141:B:LEU:CA	1:141:B:LEU:C	1:142:B:GLN:N	9	1.95
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	5	1.95
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	15	1.95
(1,151)	1:87:A:ALA:N	1:87:A:ALA:CA	1:87:A:ALA:C	1:88:A:GLY:N	8	1.95
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	13	1.94
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	18	1.94
(1,247)	1:139:A:ASN:N	1:139:A:ASN:CA	1:139:A:ASN:C	1:140:A:TYR:N	17	1.94
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	2	1.94
(1,865)	1:84:D:PHE:N	1:84:D:PHE:CA	1:84:D:PHE:C	1:85:D:SER:N	5	1.93
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	12	1.93
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	10	1.93
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	2	1.93
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	11	1.93
(1,355)	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	1:64:B:VAL:N	7	1.93
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	18	1.93
(1,55)	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	1:40:A:VAL:N	16	1.93
(1,3)	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	1:11:A:PHE:N	19	1.93
(1,718)	1:138:C:MET:C	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	8	1.92
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	17	1.92
(1,584)	1:57:C:GLU:C	1:58:C:VAL:N	1:58:C:VAL:CA	1:58:C:VAL:C	12	1.92
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	8	1.92
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	2	1.92
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	20	1.92
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	12	1.92
(1,69)	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	1:47:A:ALA:N	15	1.92
(1,64)	1:43:A:ASP:C	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	6	1.92
(1,973)	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	1:143:D:GLN:N	9	1.91
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	8	1.91
(1,633)	1:82:C:GLY:N	1:82:C:GLY:CA	1:82:C:GLY:C	1:83:C:ILE:N	10	1.91
(1,553)	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	1:40:C:VAL:N	9	1.91
(1,511)	1:15:C:ARG:N	1:15:C:ARG:CA	1:15:C:ARG:C	1:16:C:ILE:N	15	1.91
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	2	1.91
(1,265)	1:14:B:GLN:N	1:14:B:GLN:CA	1:14:B:GLN:C	1:15:B:ARG:N	5	1.91
(1,175)	1:99:A:GLY:N	1:99:A:GLY:CA	1:99:A:GLY:C	1:100:A:ALA:N	15	1.91
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	3	1.91
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	11	1.91
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	5	1.91
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	15	1.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:9:A:MET:N	1:9:A:MET:CA	1:9:A:MET:C	1:10:A:THR:N	16	1.91
(1,879)	1:91:D:GLY:N	1:91:D:GLY:CA	1:91:D:GLY:C	1:92:D:THR:N	11	1.9
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	16	1.9
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	12	1.9
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	3	1.9
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	3	1.9
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	15	1.9
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	2	1.9
(1,43)	1:32:A:PHE:N	1:32:A:PHE:CA	1:32:A:PHE:C	1:33:A:GLN:N	12	1.9
(1,36)	1:27:A:ASN:C	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	6	1.9
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	2	1.9
(1,797)	1:50:D:GLN:N	1:50:D:GLN:CA	1:50:D:GLN:C	1:51:D:LEU:N	13	1.89
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	15	1.89
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	9	1.89
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	2	1.89
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1	1.89
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	16	1.88
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	17	1.88
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1	1.88
(1,590)	1:60:C:LEU:C	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	7	1.88
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	12	1.88
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	14	1.88
(1,355)	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	1:64:B:VAL:N	1	1.88
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	4	1.87
(1,837)	1:70:D:GLU:N	1:70:D:GLU:CA	1:70:D:GLU:C	1:71:D:GLU:N	13	1.87
(1,563)	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	1:47:C:ALA:N	17	1.87
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	20	1.87
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	3	1.87
(1,152)	1:87:A:ALA:C	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	4	1.87
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	16	1.87
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	9	1.86
(1,590)	1:60:C:LEU:C	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1	1.86
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	14	1.86
(1,556)	1:41:C:LYS:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	19	1.86
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	1	1.86
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	3	1.86
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	20	1.86
(1,85)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:VAL:N	20	1.86
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	8	1.86
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	7	1.85
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	20	1.85
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	11	1.85
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	12	1.85
(1,226)	1:127:A:ASN:C	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	13	1.85
(1,163)	1:93:A:GLN:N	1:93:A:GLN:CA	1:93:A:GLN:C	1:94:A:MET:N	1	1.85
(1,59)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LEU:N	3	1.85
(1,828)	1:65:D:THR:C	1:66:D:ALA:N	1:66:D:ALA:CA	1:66:D:ALA:C	11	1.84
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	14	1.84
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	20	1.84
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	17	1.84
(1,286)	1:24:B:GLU:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	5	1.84

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,76)	1:49:A:SER:C	1:50:A:GLN:N	1:50:A:GLN:CA	1:50:A:GLN:C	20	1.84
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	1	1.84
(1,47)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:ASP:N	2	1.84
(1,37)	1:28:A:ALA:N	1:28:A:ALA:CA	1:28:A:ALA:C	1:29:A:PRO:N	11	1.84
(1,11)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	18	1.84
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	3	1.83
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	12	1.83
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	13	1.83
(1,390)	1:80:B:GLN:C	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	7	1.83
(1,357)	1:64:B:VAL:N	1:64:B:VAL:CA	1:64:B:VAL:C	1:65:B:THR:N	15	1.83
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	12	1.83
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	14	1.83
(1,76)	1:49:A:SER:C	1:50:A:GLN:N	1:50:A:GLN:CA	1:50:A:GLN:C	9	1.83
(1,866)	1:84:D:PHE:C	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	6	1.82
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	18	1.82
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	5	1.82
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	5	1.82
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	6	1.82
(1,405)	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	1:89:B:ILE:N	6	1.82
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	19	1.82
(1,345)	1:58:B:VAL:N	1:58:B:VAL:CA	1:58:B:VAL:C	1:59:B:VAL:N	15	1.82
(1,174)	1:98:A:LEU:C	1:99:A:GLY:N	1:99:A:GLY:CA	1:99:A:GLY:C	15	1.82
(1,3)	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	1:11:A:PHE:N	14	1.82
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	1	1.81
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	8	1.81
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	6	1.81
(1,596)	1:63:C:THR:C	1:64:C:VAL:N	1:64:C:VAL:CA	1:64:C:VAL:C	8	1.81
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	19	1.81
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	9	1.81
(1,318)	1:44:B:LEU:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	19	1.81
(1,658)	1:100:C:ALA:C	1:101:C:TYR:N	1:101:C:TYR:CA	1:101:C:TYR:C	17	1.8
(1,583)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:VAL:N	17	1.8
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	6	1.8
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	1	1.8
(1,331)	1:51:B:LEU:N	1:51:B:LEU:CA	1:51:B:LEU:C	1:52:B:ALA:N	10	1.8
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	12	1.8
(1,284)	1:23:B:PHE:C	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	10	1.8
(1,275)	1:19:B:LYS:N	1:19:B:LYS:CA	1:19:B:LYS:C	1:20:B:ASP:N	7	1.8
(1,972)	1:141:D:LEU:C	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	8	1.79
(1,877)	1:90:D:GLU:N	1:90:D:GLU:CA	1:90:D:GLU:C	1:91:D:GLY:N	19	1.79
(1,832)	1:67:D:SER:C	1:68:D:LEU:N	1:68:D:LEU:CA	1:68:D:LEU:C	6	1.79
(1,708)	1:132:C:ASN:C	1:133:C:PHE:N	1:133:C:PHE:CA	1:133:C:PHE:C	12	1.79
(1,683)	1:115:C:THR:N	1:115:C:THR:CA	1:115:C:THR:C	1:116:C:SER:N	6	1.79
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	18	1.79
(1,601)	1:66:C:ALA:N	1:66:C:ALA:CA	1:66:C:ALA:C	1:67:C:SER:N	19	1.79
(1,549)	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	1:37:C:GLN:N	19	1.79
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	5	1.79
(1,507)	1:13:C:ILE:N	1:13:C:ILE:CA	1:13:C:ILE:C	1:14:C:GLN:N	16	1.79
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	19	1.79
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	17	1.79
(1,227)	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	1:129:A:ALA:N	9	1.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,219)	1:123:A:PHE:N	1:123:A:PHE:CA	1:123:A:PHE:C	1:124:A:PRO:N	5	1.79
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	9	1.79
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	11	1.79
(1,859)	1:81:D:GLY:N	1:81:D:GLY:CA	1:81:D:GLY:C	1:82:D:GLY:N	16	1.78
(1,630)	1:80:C:GLN:C	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	10	1.78
(1,131)	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	1:78:A:VAL:N	12	1.78
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	6	1.78
(1,55)	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	1:40:A:VAL:N	3	1.78
(1,868)	1:85:D:SER:C	1:86:D:ILE:N	1:86:D:ILE:CA	1:86:D:ILE:C	5	1.77
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	20	1.77
(1,822)	1:62:D:VAL:C	1:63:D:THR:N	1:63:D:THR:CA	1:63:D:THR:C	2	1.77
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	3	1.77
(1,714)	1:136:C:LEU:C	1:137:C:PHE:N	1:137:C:PHE:CA	1:137:C:PHE:C	11	1.77
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	6	1.77
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	3	1.77
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	9	1.77
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	17	1.77
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	6	1.77
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	10	1.77
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	9	1.76
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	12	1.76
(1,512)	1:15:C:ARG:C	1:16:C:ILE:N	1:16:C:ILE:CA	1:16:C:ILE:C	13	1.76
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	12	1.76
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	10	1.76
(1,301)	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1:35:B:ASP:N	2	1.76
(1,139)	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	1:82:A:GLY:N	10	1.76
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	17	1.76
(1,718)	1:138:C:MET:C	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	13	1.75
(1,654)	1:98:C:LEU:C	1:99:C:GLY:N	1:99:C:GLY:CA	1:99:C:GLY:C	10	1.75
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	10	1.75
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	5	1.75
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	3	1.75
(1,322)	1:46:B:THR:C	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	9	1.75
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	3	1.75
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	1	1.75
(1,286)	1:24:B:GLU:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	4	1.75
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	16	1.75
(1,100)	1:61:A:ARG:C	1:62:A:VAL:N	1:62:A:VAL:CA	1:62:A:VAL:C	19	1.75
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	14	1.75
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	10	1.75
(1,833)	1:68:D:LEU:N	1:68:D:LEU:CA	1:68:D:LEU:C	1:69:D:GLY:N	16	1.74
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	16	1.74
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	12	1.74
(1,221)	1:125:A:GLN:N	1:125:A:GLN:CA	1:125:A:GLN:C	1:126:A:LEU:N	11	1.74
(1,149)	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	1:87:A:ALA:N	15	1.74
(1,106)	1:64:A:VAL:C	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	16	1.74
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	16	1.73
(1,866)	1:84:D:PHE:C	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	18	1.73
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	20	1.73
(1,564)	1:46:C:THR:C	1:47:C:ALA:N	1:47:C:ALA:CA	1:47:C:ALA:C	17	1.73
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	13	1.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:VAL:N	20	1.73
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	12	1.73
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	18	1.73
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	19	1.72
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	17	1.72
(1,505)	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	1:13:C:ILE:N	19	1.72
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	4	1.72
(1,384)	1:77:B:GLU:C	1:78:B:VAL:N	1:78:B:VAL:CA	1:78:B:VAL:C	2	1.72
(1,328)	1:49:B:SER:C	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	7	1.72
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	3	1.72
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	4	1.72
(1,854)	1:78:D:VAL:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	5	1.71
(1,782)	1:42:D:LEU:C	1:43:D:ASP:N	1:43:D:ASP:CA	1:43:D:ASP:C	4	1.71
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	20	1.71
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	6	1.71
(1,371)	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	1:72:B:THR:N	9	1.71
(1,66)	1:44:A:LEU:C	1:45:A:ASP:N	1:45:A:ASP:CA	1:45:A:ASP:C	19	1.71
(1,29)	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	1:24:A:GLU:N	15	1.71
(1,810)	1:56:D:TYR:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	10	1.7
(1,784)	1:43:D:ASP:C	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1	1.7
(1,533)	1:27:C:ASN:N	1:27:C:ASN:CA	1:27:C:ASN:C	1:28:C:ALA:N	10	1.7
(1,525)	1:22:C:SER:N	1:22:C:SER:CA	1:22:C:SER:C	1:23:C:PHE:N	9	1.7
(1,520)	1:19:C:LYS:C	1:20:C:ASP:N	1:20:C:ASP:CA	1:20:C:ASP:C	12	1.7
(1,509)	1:14:C:GLN:N	1:14:C:GLN:CA	1:14:C:GLN:C	1:15:C:ARG:N	8	1.7
(1,474)	1:125:B:GLN:C	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	3	1.7
(1,399)	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	1:86:B:ILE:N	5	1.7
(1,323)	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	1:48:B:SER:N	16	1.7
(1,106)	1:64:A:VAL:C	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	17	1.7
(1,65)	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1:45:A:ASP:N	12	1.7
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	18	1.69
(1,571)	1:50:C:GLN:N	1:50:C:GLN:CA	1:50:C:GLN:C	1:51:C:LEU:N	3	1.69
(1,492)	1:138:B:MET:C	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	9	1.69
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	4	1.69
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	13	1.69
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	5	1.69
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	5	1.69
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	19	1.69
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	7	1.68
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	11	1.68
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	2	1.68
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	15	1.68
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	6	1.68
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	2	1.68
(1,944)	1:126:D:LEU:C	1:127:D:ASN:N	1:127:D:ASN:CA	1:127:D:ASN:C	9	1.67
(1,771)	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	1:37:D:GLN:N	20	1.67
(1,728)	1:11:D:PHE:C	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	4	1.67
(1,702)	1:126:C:LEU:C	1:127:C:ASN:N	1:127:C:ASN:CA	1:127:C:ASN:C	11	1.67
(1,497)	1:141:B:LEU:N	1:141:B:LEU:CA	1:141:B:LEU:C	1:142:B:GLN:N	15	1.67
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	14	1.67
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	16	1.67
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	16	1.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	18	1.67
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	17	1.67
(1,230)	1:130:A:PRO:C	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	11	1.67
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	12	1.67
(1,114)	1:68:A:LEU:C	1:69:A:GLY:N	1:69:A:GLY:CA	1:69:A:GLY:C	9	1.67
(1,68)	1:45:A:ASP:C	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	19	1.67
(1,53)	1:37:A:GLN:N	1:37:A:GLN:CA	1:37:A:GLN:C	1:38:A:PRO:N	12	1.67
(1,47)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:ASP:N	5	1.67
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	6	1.66
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	11	1.66
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	7	1.66
(1,766)	1:33:D:GLN:C	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	9	1.66
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	9	1.66
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	14	1.66
(1,534)	1:27:C:ASN:C	1:28:C:ALA:N	1:28:C:ALA:CA	1:28:C:ALA:C	7	1.66
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	17	1.66
(1,427)	1:99:B:GLY:N	1:99:B:GLY:CA	1:99:B:GLY:C	1:100:B:ALA:N	3	1.66
(1,403)	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1:88:B:GLY:N	20	1.66
(1,250)	1:140:A:TYR:C	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	11	1.66
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	2	1.66
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	10	1.65
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	17	1.65
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	18	1.65
(1,623)	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	1:78:C:VAL:N	7	1.65
(1,556)	1:41:C:LYS:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	9	1.65
(1,542)	1:32:C:PHE:C	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	13	1.65
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	4	1.65
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	18	1.65
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	18	1.65
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	8	1.65
(1,727)	1:11:D:PHE:N	1:11:D:PHE:CA	1:11:D:PHE:C	1:12:D:GLN:N	14	1.64
(1,658)	1:100:C:ALA:C	1:101:C:TYR:N	1:101:C:TYR:CA	1:101:C:TYR:C	12	1.64
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	20	1.64
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	13	1.64
(1,338)	1:54:B:ASP:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	11	1.64
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	15	1.64
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	10	1.64
(1,133)	1:78:A:VAL:N	1:78:A:VAL:CA	1:78:A:VAL:C	1:79:A:GLN:N	8	1.64
(1,106)	1:64:A:VAL:C	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	15	1.64
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	8	1.64
(1,856)	1:79:D:GLN:C	1:80:D:GLN:N	1:80:D:GLN:CA	1:80:D:GLN:C	16	1.63
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	2	1.63
(1,760)	1:30:D:HIS:C	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	12	1.63
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	3	1.63
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	3	1.63
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	9	1.63
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	13	1.63
(1,867)	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	1:86:D:ILE:N	19	1.62
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	14	1.62
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	12	1.62
(1,389)	1:80:B:GLN:N	1:80:B:GLN:CA	1:80:B:GLN:C	1:81:B:GLY:N	2	1.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	17	1.62
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	9	1.62
(1,313)	1:41:B:LYS:N	1:41:B:LYS:CA	1:41:B:LYS:C	1:42:B:LEU:N	20	1.62
(1,247)	1:139:A:ASN:N	1:139:A:ASN:CA	1:139:A:ASN:C	1:140:A:TYR:N	12	1.62
(1,176)	1:99:A:GLY:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	8	1.62
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	17	1.62
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	8	1.62
(1,57)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:LYS:N	15	1.62
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	18	1.61
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	11	1.61
(1,529)	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	1:25:C:ALA:N	5	1.61
(1,343)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:VAL:N	13	1.61
(1,310)	1:39:B:GLU:C	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	5	1.61
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	1	1.61
(1,136)	1:79:A:GLN:C	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	8	1.61
(1,129)	1:76:A:CYS:N	1:76:A:CYS:CA	1:76:A:CYS:C	1:77:A:GLU:N	17	1.61
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	20	1.6
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	10	1.6
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	7	1.6
(1,542)	1:32:C:PHE:C	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1	1.6
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	15	1.6
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	15	1.6
(1,302)	1:34:B:LYS:C	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	20	1.6
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	1	1.6
(1,136)	1:79:A:GLN:C	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	7	1.6
(1,134)	1:78:A:VAL:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	5	1.6
(1,875)	1:89:D:ILE:N	1:89:D:ILE:CA	1:89:D:ILE:C	1:90:D:GLU:N	9	1.59
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	14	1.59
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	19	1.59
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	11	1.59
(1,566)	1:47:C:ALA:C	1:48:C:SER:N	1:48:C:SER:CA	1:48:C:SER:C	17	1.59
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	13	1.59
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	10	1.59
(1,297)	1:32:B:PHE:N	1:32:B:PHE:CA	1:32:B:PHE:C	1:33:B:GLN:N	17	1.59
(1,126)	1:74:A:PHE:C	1:75:A:LEU:N	1:75:A:LEU:CA	1:75:A:LEU:C	1	1.59
(1,749)	1:23:D:PHE:N	1:23:D:PHE:CA	1:23:D:PHE:C	1:24:D:GLU:N	12	1.58
(1,706)	1:131:C:VAL:C	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	3	1.58
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	19	1.58
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	17	1.58
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	14	1.58
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	18	1.58
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	18	1.58
(1,148)	1:85:A:SER:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	10	1.58
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	8	1.58
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	13	1.58
(1,867)	1:85:D:SER:N	1:85:D:SER:CA	1:85:D:SER:C	1:86:D:ILE:N	17	1.57
(1,307)	1:37:B:GLN:N	1:37:B:GLN:CA	1:37:B:GLN:C	1:38:B:PRO:N	2	1.57
(1,289)	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	1:28:B:ALA:N	10	1.57
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	8	1.57
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	3	1.57
(1,77)	1:50:A:GLN:N	1:50:A:GLN:CA	1:50:A:GLN:C	1:51:A:LEU:N	18	1.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,44)	1:32:A:PHE:C	1:33:A:GLN:N	1:33:A:GLN:CA	1:33:A:GLN:C	12	1.57
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	2	1.56
(1,789)	1:46:D:THR:N	1:46:D:THR:CA	1:46:D:THR:C	1:47:D:ALA:N	4	1.56
(1,787)	1:45:D:ASP:N	1:45:D:ASP:CA	1:45:D:ASP:C	1:46:D:THR:N	13	1.56
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1	1.56
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	19	1.56
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	17	1.56
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	20	1.56
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	3	1.56
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	3	1.56
(1,323)	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	1:48:B:SER:N	8	1.56
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	18	1.56
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	14	1.56
(1,53)	1:37:A:GLN:N	1:37:A:GLN:CA	1:37:A:GLN:C	1:38:A:PRO:N	7	1.56
(1,2)	1:9:A:MET:C	1:10:A:THR:N	1:10:A:THR:CA	1:10:A:THR:C	3	1.56
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	3	1.55
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	3	1.55
(1,776)	1:39:D:GLU:C	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	16	1.55
(1,717)	1:138:C:MET:N	1:138:C:MET:CA	1:138:C:MET:C	1:139:C:ASN:N	4	1.55
(1,556)	1:41:C:LYS:C	1:42:C:LEU:N	1:42:C:LEU:CA	1:42:C:LEU:C	17	1.55
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	14	1.55
(1,527)	1:23:C:PHE:N	1:23:C:PHE:CA	1:23:C:PHE:C	1:24:C:GLU:N	8	1.55
(1,501)	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	1:11:C:PHE:N	18	1.55
(1,480)	1:131:B:VAL:C	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	8	1.55
(1,456)	1:115:B:THR:C	1:116:B:SER:N	1:116:B:SER:CA	1:116:B:SER:C	6	1.55
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	6	1.55
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	10	1.55
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	8	1.55
(1,34)	1:26:A:PRO:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	9	1.55
(1,7)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:ILE:N	6	1.55
(1,947)	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	1:129:D:ALA:N	11	1.54
(1,946)	1:127:D:ASN:C	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	4	1.54
(1,935)	1:121:D:GLY:N	1:121:D:GLY:CA	1:121:D:GLY:C	1:122:D:THR:N	19	1.54
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	8	1.54
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	5	1.54
(1,619)	1:75:C:LEU:N	1:75:C:LEU:CA	1:75:C:LEU:C	1:76:C:CYS:N	3	1.54
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	15	1.54
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	5	1.54
(1,163)	1:93:A:GLN:N	1:93:A:GLN:CA	1:93:A:GLN:C	1:94:A:MET:N	7	1.54
(1,110)	1:66:A:ALA:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	6	1.54
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	8	1.54
(1,826)	1:64:D:VAL:C	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	15	1.53
(1,709)	1:133:C:PHE:N	1:133:C:PHE:CA	1:133:C:PHE:C	1:134:C:ASP:N	15	1.53
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	20	1.53
(1,605)	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	1:69:C:GLY:N	1	1.53
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	4	1.53
(1,551)	1:37:C:GLN:N	1:37:C:GLN:CA	1:37:C:GLN:C	1:38:C:PRO:N	2	1.53
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	11	1.53
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	18	1.53
(1,481)	1:132:B:ASN:N	1:132:B:ASN:CA	1:132:B:ASN:C	1:133:B:PHE:N	17	1.53
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	4	1.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	5	1.53
(1,300)	1:33:B:GLN:C	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	15	1.53
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	2	1.53
(1,11)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	7	1.53
(1,761)	1:31:D:VAL:N	1:31:D:VAL:CA	1:31:D:VAL:C	1:32:D:PHE:N	6	1.52
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	4	1.52
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	9	1.52
(1,403)	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1:88:B:GLY:N	2	1.52
(1,358)	1:64:B:VAL:C	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	18	1.52
(1,941)	1:125:D:GLN:N	1:125:D:GLN:CA	1:125:D:GLN:C	1:126:D:LEU:N	20	1.51
(1,935)	1:121:D:GLY:N	1:121:D:GLY:CA	1:121:D:GLY:C	1:122:D:THR:N	4	1.51
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	13	1.51
(1,808)	1:55:D:VAL:C	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	17	1.51
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	14	1.51
(1,705)	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	1:129:C:ALA:N	1	1.51
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	2	1.51
(1,473)	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1:126:B:LEU:N	3	1.51
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	12	1.51
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	7	1.51
(1,160)	1:91:A:GLY:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1	1.51
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	10	1.51
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	16	1.51
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	5	1.51
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	20	1.5
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	12	1.5
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	5	1.5
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	9	1.5
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	15	1.5
(1,283)	1:23:B:PHE:N	1:23:B:PHE:CA	1:23:B:PHE:C	1:24:B:GLU:N	2	1.5
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	11	1.5
(1,260)	1:11:B:PHE:C	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	4	1.5
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	2	1.5
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	5	1.5
(1,935)	1:121:D:GLY:N	1:121:D:GLY:CA	1:121:D:GLY:C	1:122:D:THR:N	20	1.49
(1,401)	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	1:87:B:ALA:N	10	1.49
(1,359)	1:65:B:THR:N	1:65:B:THR:CA	1:65:B:THR:C	1:66:B:ALA:N	19	1.49
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	14	1.49
(1,262)	1:12:B:GLN:C	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	7	1.49
(1,119)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:THR:N	10	1.49
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	13	1.49
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	13	1.49
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	7	1.48
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	12	1.48
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	3	1.48
(1,808)	1:55:D:VAL:C	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	6	1.48
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	19	1.48
(1,622)	1:76:C:CYS:C	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	12	1.48
(1,593)	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	1:63:C:THR:N	7	1.48
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	1	1.48
(1,407)	1:89:B:ILE:N	1:89:B:ILE:CA	1:89:B:ILE:C	1:90:B:GLU:N	7	1.48
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	2	1.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	6	1.48
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	13	1.48
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	12	1.48
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	11	1.48
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	9	1.48
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	10	1.48
(1,29)	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	1:24:A:GLU:N	20	1.48
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	14	1.47
(1,763)	1:32:D:PHE:N	1:32:D:PHE:CA	1:32:D:PHE:C	1:33:D:GLN:N	10	1.47
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	2	1.47
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	16	1.47
(1,527)	1:23:C:PHE:N	1:23:C:PHE:CA	1:23:C:PHE:C	1:24:C:GLU:N	5	1.47
(1,478)	1:127:B:ASN:C	1:128:B:LEU:N	1:128:B:LEU:CA	1:128:B:LEU:C	12	1.47
(1,351)	1:61:B:ARG:N	1:61:B:ARG:CA	1:61:B:ARG:C	1:62:B:VAL:N	8	1.47
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	13	1.47
(1,320)	1:45:B:ASP:C	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	1	1.47
(1,286)	1:24:B:GLU:C	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	2	1.47
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	2	1.47
(1,245)	1:138:A:MET:N	1:138:A:MET:CA	1:138:A:MET:C	1:139:A:ASN:N	10	1.47
(1,151)	1:87:A:ALA:N	1:87:A:ALA:CA	1:87:A:ALA:C	1:88:A:GLY:N	11	1.47
(1,962)	1:136:D:LEU:C	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	4	1.46
(1,893)	1:98:D:LEU:N	1:98:D:LEU:CA	1:98:D:LEU:C	1:99:D:GLY:N	12	1.46
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	6	1.46
(1,806)	1:54:D:ASP:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	18	1.46
(1,780)	1:41:D:LYS:C	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	17	1.46
(1,723)	1:9:D:MET:N	1:9:D:MET:CA	1:9:D:MET:C	1:10:D:THR:N	11	1.46
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	16	1.46
(1,551)	1:37:C:GLN:N	1:37:C:GLN:CA	1:37:C:GLN:C	1:38:C:PRO:N	12	1.46
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	18	1.46
(1,492)	1:138:B:MET:C	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	20	1.46
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	15	1.46
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	7	1.46
(1,354)	1:62:B:VAL:C	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	3	1.46
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	1	1.46
(1,148)	1:85:A:SER:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	18	1.46
(1,118)	1:70:A:GLU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	7	1.46
(1,972)	1:141:D:LEU:C	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	13	1.45
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	4	1.45
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	18	1.45
(1,424)	1:97:B:CYS:C	1:98:B:LEU:N	1:98:B:LEU:CA	1:98:B:LEU:C	9	1.45
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	9	1.45
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	11	1.45
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	8	1.45
(1,327)	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	1:50:B:GLN:N	2	1.45
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	9	1.45
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	8	1.45
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	13	1.45
(1,85)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:VAL:N	5	1.45
(1,54)	1:38:A:PRO:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	10	1.45
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	18	1.44
(1,501)	1:10:C:THR:N	1:10:C:THR:CA	1:10:C:THR:C	1:11:C:PHE:N	12	1.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,493)	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	1:140:B:TYR:N	5	1.44
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	19	1.44
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	15	1.44
(1,360)	1:65:B:THR:C	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	6	1.44
(1,265)	1:14:B:GLN:N	1:14:B:GLN:CA	1:14:B:GLN:C	1:15:B:ARG:N	8	1.44
(1,214)	1:120:A:ARG:C	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	8	1.44
(1,111)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:LEU:N	10	1.44
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	20	1.44
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	12	1.43
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	14	1.43
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	15	1.43
(1,721)	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	1:141:C:LEU:N	20	1.43
(1,619)	1:75:C:LEU:N	1:75:C:LEU:CA	1:75:C:LEU:C	1:76:C:CYS:N	9	1.43
(1,598)	1:64:C:VAL:C	1:65:C:THR:N	1:65:C:THR:CA	1:65:C:THR:C	5	1.43
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	16	1.43
(1,131)	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	1:78:A:VAL:N	19	1.43
(1,805)	1:54:D:ASP:N	1:54:D:ASP:CA	1:54:D:ASP:C	1:55:D:VAL:N	11	1.42
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	7	1.42
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	8	1.42
(1,422)	1:96:B:HIS:C	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	16	1.42
(1,410)	1:90:B:GLU:C	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	5	1.42
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	3	1.42
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	19	1.42
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	16	1.42
(1,303)	1:35:B:ASP:N	1:35:B:ASP:CA	1:35:B:ASP:C	1:36:B:TRP:N	4	1.42
(1,258)	1:10:B:THR:C	1:11:B:PHE:N	1:11:B:PHE:CA	1:11:B:PHE:C	15	1.42
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	14	1.42
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	17	1.41
(1,891)	1:97:D:CYS:N	1:97:D:CYS:CA	1:97:D:CYS:C	1:98:D:LEU:N	20	1.41
(1,859)	1:81:D:GLY:N	1:81:D:GLY:CA	1:81:D:GLY:C	1:82:D:GLY:N	9	1.41
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	20	1.41
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	11	1.41
(1,752)	1:24:D:GLU:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	10	1.41
(1,749)	1:23:D:PHE:N	1:23:D:PHE:CA	1:23:D:PHE:C	1:24:D:GLU:N	4	1.41
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	14	1.41
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	20	1.41
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	3	1.41
(1,325)	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	1:49:B:SER:N	4	1.41
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	7	1.41
(1,68)	1:45:A:ASP:C	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	1	1.41
(1,22)	1:19:A:LYS:C	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	7	1.41
(1,942)	1:125:D:GLN:C	1:126:D:LEU:N	1:126:D:LEU:CA	1:126:D:LEU:C	12	1.4
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	12	1.4
(1,825)	1:64:D:VAL:N	1:64:D:VAL:CA	1:64:D:VAL:C	1:65:D:THR:N	10	1.4
(1,785)	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	1:45:D:ASP:N	15	1.4
(1,768)	1:34:D:LYS:C	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	5	1.4
(1,611)	1:71:C:GLU:N	1:71:C:GLU:CA	1:71:C:GLU:C	1:72:C:THR:N	16	1.4
(1,539)	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	1:32:C:PHE:N	13	1.4
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	9	1.4
(1,383)	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	1:78:B:VAL:N	16	1.4
(1,365)	1:68:B:LEU:N	1:68:B:LEU:CA	1:68:B:LEU:C	1:69:B:GLY:N	14	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,288)	1:26:B:PRO:C	1:27:B:ASN:N	1:27:B:ASN:CA	1:27:B:ASN:C	15	1.4
(1,62)	1:42:A:LEU:C	1:43:A:ASP:N	1:43:A:ASP:CA	1:43:A:ASP:C	7	1.4
(1,735)	1:15:D:ARG:N	1:15:D:ARG:CA	1:15:D:ARG:C	1:16:D:ILE:N	6	1.39
(1,595)	1:63:C:THR:N	1:63:C:THR:CA	1:63:C:THR:C	1:64:C:VAL:N	16	1.39
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	4	1.39
(1,475)	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	1:127:B:ASN:N	2	1.39
(1,474)	1:125:B:GLN:C	1:126:B:LEU:N	1:126:B:LEU:CA	1:126:B:LEU:C	20	1.39
(1,410)	1:90:B:GLU:C	1:91:B:GLY:N	1:91:B:GLY:CA	1:91:B:GLY:C	14	1.39
(1,389)	1:80:B:GLN:N	1:80:B:GLN:CA	1:80:B:GLN:C	1:81:B:GLY:N	19	1.39
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	13	1.39
(1,229)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:PRO:N	18	1.39
(1,90)	1:56:A:TYR:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	12	1.39
(1,951)	1:131:D:VAL:N	1:131:D:VAL:CA	1:131:D:VAL:C	1:132:D:ASN:N	5	1.38
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	18	1.38
(1,724)	1:9:D:MET:C	1:10:D:THR:N	1:10:D:THR:CA	1:10:D:THR:C	2	1.38
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	4	1.38
(1,530)	1:24:C:GLU:C	1:25:C:ALA:N	1:25:C:ALA:CA	1:25:C:ALA:C	5	1.38
(1,495)	1:140:B:TYR:N	1:140:B:TYR:CA	1:140:B:TYR:C	1:141:B:LEU:N	17	1.38
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	18	1.38
(1,962)	1:136:D:LEU:C	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	6	1.37
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	12	1.37
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	14	1.37
(1,753)	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	1:26:D:PRO:N	19	1.37
(1,873)	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1:89:D:ILE:N	4	1.36
(1,766)	1:33:D:GLN:C	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	2	1.36
(1,701)	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	1:126:C:LEU:N	1	1.36
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	1	1.36
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	20	1.36
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	3	1.36
(1,351)	1:61:B:ARG:N	1:61:B:ARG:CA	1:61:B:ARG:C	1:62:B:VAL:N	17	1.36
(1,243)	1:137:A:PHE:N	1:137:A:PHE:CA	1:137:A:PHE:C	1:138:A:MET:N	17	1.36
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	1	1.36
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	12	1.36
(1,80)	1:51:A:LEU:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	2	1.36
(1,65)	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1:45:A:ASP:N	7	1.36
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	15	1.36
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	17	1.36
(1,59)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LEU:N	11	1.36
(1,770)	1:35:D:ASP:C	1:36:D:TRP:N	1:36:D:TRP:CA	1:36:D:TRP:C	8	1.35
(1,631)	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	1:82:C:GLY:N	19	1.35
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	16	1.35
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	15	1.35
(1,311)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:LYS:N	16	1.35
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	8	1.35
(1,227)	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	1:129:A:ALA:N	5	1.35
(1,136)	1:79:A:GLN:C	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	6	1.35
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	17	1.34
(1,655)	1:99:C:GLY:N	1:99:C:GLY:CA	1:99:C:GLY:C	1:100:C:ALA:N	8	1.34
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	4	1.34
(1,599)	1:65:C:THR:N	1:65:C:THR:CA	1:65:C:THR:C	1:66:C:ALA:N	9	1.34
(1,502)	1:10:C:THR:C	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	3	1.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,412)	1:91:B:GLY:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	16	1.34
(1,381)	1:76:B:CYS:N	1:76:B:CYS:CA	1:76:B:CYS:C	1:77:B:GLU:N	6	1.34
(1,22)	1:19:A:LYS:C	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	14	1.34
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	4	1.33
(1,727)	1:11:D:PHE:N	1:11:D:PHE:CA	1:11:D:PHE:C	1:12:D:GLN:N	20	1.33
(1,598)	1:64:C:VAL:C	1:65:C:THR:N	1:65:C:THR:CA	1:65:C:THR:C	16	1.33
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	14	1.33
(1,554)	1:40:C:VAL:C	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	13	1.33
(1,548)	1:35:C:ASP:C	1:36:C:TRP:N	1:36:C:TRP:CA	1:36:C:TRP:C	12	1.33
(1,491)	1:138:B:MET:N	1:138:B:MET:CA	1:138:B:MET:C	1:139:B:ASN:N	3	1.33
(1,382)	1:76:B:CYS:C	1:77:B:GLU:N	1:77:B:GLU:CA	1:77:B:GLU:C	3	1.33
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	15	1.33
(1,224)	1:126:A:LEU:C	1:127:A:ASN:N	1:127:A:ASN:CA	1:127:A:ASN:C	9	1.33
(1,853)	1:78:D:VAL:N	1:78:D:VAL:CA	1:78:D:VAL:C	1:79:D:GLN:N	7	1.32
(1,853)	1:78:D:VAL:N	1:78:D:VAL:CA	1:78:D:VAL:C	1:79:D:GLN:N	16	1.32
(1,822)	1:62:D:VAL:C	1:63:D:THR:N	1:63:D:THR:CA	1:63:D:THR:C	9	1.32
(1,777)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:LYS:N	18	1.32
(1,715)	1:137:C:PHE:N	1:137:C:PHE:CA	1:137:C:PHE:C	1:138:C:MET:N	3	1.32
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	19	1.32
(1,492)	1:138:B:MET:C	1:139:B:ASN:N	1:139:B:ASN:CA	1:139:B:ASN:C	11	1.32
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	1	1.32
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	16	1.32
(1,34)	1:26:A:PRO:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	2	1.32
(1,846)	1:74:D:PHE:C	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	8	1.31
(1,835)	1:69:D:GLY:N	1:69:D:GLY:CA	1:69:D:GLY:C	1:70:D:GLU:N	7	1.31
(1,767)	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	1:35:D:ASP:N	11	1.31
(1,642)	1:89:C:ILE:C	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	3	1.31
(1,552)	1:38:C:PRO:C	1:39:C:GLU:N	1:39:C:GLU:CA	1:39:C:GLU:C	11	1.31
(1,543)	1:33:C:GLN:N	1:33:C:GLN:CA	1:33:C:GLN:C	1:34:C:LYS:N	4	1.31
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	17	1.31
(1,345)	1:58:B:VAL:N	1:58:B:VAL:CA	1:58:B:VAL:C	1:59:B:VAL:N	18	1.31
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	11	1.31
(1,73)	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	1:49:A:SER:N	4	1.31
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	17	1.31
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	1	1.3
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	15	1.3
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	2	1.3
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	15	1.3
(1,423)	1:97:B:CYS:N	1:97:B:CYS:CA	1:97:B:CYS:C	1:98:B:LEU:N	14	1.3
(1,367)	1:69:B:GLY:N	1:69:B:GLY:CA	1:69:B:GLY:C	1:70:B:GLU:N	11	1.3
(1,360)	1:65:B:THR:C	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	12	1.3
(1,293)	1:30:B:HIS:N	1:30:B:HIS:CA	1:30:B:HIS:C	1:31:B:VAL:N	9	1.3
(1,92)	1:57:A:GLU:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	17	1.3
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	17	1.29
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	9	1.29
(1,851)	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	1:78:D:VAL:N	3	1.29
(1,778)	1:40:D:VAL:C	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	7	1.29
(1,768)	1:34:D:LYS:C	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	13	1.29
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	5	1.29
(1,558)	1:42:C:LEU:C	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	7	1.29
(1,558)	1:42:C:LEU:C	1:43:C:ASP:N	1:43:C:ASP:CA	1:43:C:ASP:C	18	1.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	14	1.29
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	10	1.29
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	12	1.29
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	12	1.29
(1,268)	1:15:B:ARG:C	1:16:B:ILE:N	1:16:B:ILE:CA	1:16:B:ILE:C	8	1.29
(1,161)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLN:N	18	1.29
(1,152)	1:87:A:ALA:C	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	17	1.29
(1,69)	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	1:47:A:ALA:N	1	1.29
(1,893)	1:98:D:LEU:N	1:98:D:LEU:CA	1:98:D:LEU:C	1:99:D:GLY:N	19	1.28
(1,676)	1:111:C:ARG:C	1:112:C:GLU:N	1:112:C:GLU:CA	1:112:C:GLU:C	13	1.28
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	18	1.28
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	8	1.28
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	10	1.28
(1,391)	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	1:82:B:GLY:N	3	1.28
(1,390)	1:80:B:GLN:C	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	15	1.28
(1,326)	1:48:B:SER:C	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	2	1.28
(1,112)	1:67:A:SER:C	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	13	1.28
(1,795)	1:49:D:SER:N	1:49:D:SER:CA	1:49:D:SER:C	1:50:D:GLN:N	1	1.27
(1,633)	1:82:C:GLY:N	1:82:C:GLY:CA	1:82:C:GLY:C	1:83:C:ILE:N	7	1.27
(1,582)	1:56:C:TYR:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	4	1.27
(1,538)	1:30:C:HIS:C	1:31:C:VAL:N	1:31:C:VAL:CA	1:31:C:VAL:C	15	1.27
(1,390)	1:80:B:GLN:C	1:81:B:GLY:N	1:81:B:GLY:CA	1:81:B:GLY:C	1	1.27
(1,255)	1:9:B:MET:N	1:9:B:MET:CA	1:9:B:MET:C	1:10:B:THR:N	6	1.27
(1,79)	1:51:A:LEU:N	1:51:A:LEU:CA	1:51:A:LEU:C	1:52:A:ALA:N	15	1.27
(1,68)	1:45:A:ASP:C	1:46:A:THR:N	1:46:A:THR:CA	1:46:A:THR:C	4	1.27
(1,9)	1:13:A:ILE:N	1:13:A:ILE:CA	1:13:A:ILE:C	1:14:A:GLN:N	16	1.27
(1,941)	1:125:D:GLN:N	1:125:D:GLN:CA	1:125:D:GLN:C	1:126:D:LEU:N	10	1.26
(1,889)	1:96:D:HIS:N	1:96:D:HIS:CA	1:96:D:HIS:C	1:97:D:CYS:N	6	1.26
(1,626)	1:78:C:VAL:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	6	1.26
(1,592)	1:61:C:ARG:C	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	5	1.26
(1,321)	1:46:B:THR:N	1:46:B:THR:CA	1:46:B:THR:C	1:47:B:ALA:N	17	1.26
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	8	1.26
(1,124)	1:73:A:ALA:C	1:74:A:PHE:N	1:74:A:PHE:CA	1:74:A:PHE:C	13	1.26
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	15	1.26
(1,895)	1:99:D:GLY:N	1:99:D:GLY:CA	1:99:D:GLY:C	1:100:D:ALA:N	15	1.25
(1,827)	1:65:D:THR:N	1:65:D:THR:CA	1:65:D:THR:C	1:66:D:ALA:N	7	1.25
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	18	1.25
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	16	1.25
(1,389)	1:80:B:GLN:N	1:80:B:GLN:CA	1:80:B:GLN:C	1:81:B:GLY:N	20	1.25
(1,370)	1:70:B:GLU:C	1:71:B:GLU:N	1:71:B:GLU:CA	1:71:B:GLU:C	13	1.25
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	2	1.25
(1,298)	1:32:B:PHE:C	1:33:B:GLN:N	1:33:B:GLN:CA	1:33:B:GLN:C	4	1.25
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	15	1.25
(1,152)	1:87:A:ALA:C	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	10	1.25
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	4	1.25
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	1	1.25
(1,72)	1:47:A:ALA:C	1:48:A:SER:N	1:48:A:SER:CA	1:48:A:SER:C	5	1.25
(1,61)	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	1:43:A:ASP:N	19	1.25
(1,856)	1:79:D:GLN:C	1:80:D:GLN:N	1:80:D:GLN:CA	1:80:D:GLN:C	7	1.24
(1,752)	1:24:D:GLU:C	1:25:D:ALA:N	1:25:D:ALA:CA	1:25:D:ALA:C	12	1.24
(1,720)	1:139:C:ASN:C	1:140:C:TYR:N	1:140:C:TYR:CA	1:140:C:TYR:C	20	1.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,676)	1:111:C:ARG:C	1:112:C:GLU:N	1:112:C:GLU:CA	1:112:C:GLU:C	16	1.24
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	7	1.24
(1,541)	1:32:C:PHE:N	1:32:C:PHE:CA	1:32:C:PHE:C	1:33:C:GLN:N	4	1.24
(1,379)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:CYS:N	11	1.24
(1,214)	1:120:A:ARG:C	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	17	1.24
(1,161)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLN:N	14	1.24
(1,136)	1:79:A:GLN:C	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	20	1.24
(1,972)	1:141:D:LEU:C	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	10	1.23
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	17	1.23
(1,793)	1:48:D:SER:N	1:48:D:SER:CA	1:48:D:SER:C	1:49:D:SER:N	9	1.23
(1,625)	1:78:C:VAL:N	1:78:C:VAL:CA	1:78:C:VAL:C	1:79:C:GLN:N	1	1.23
(1,606)	1:68:C:LEU:C	1:69:C:GLY:N	1:69:C:GLY:CA	1:69:C:GLY:C	7	1.23
(1,544)	1:33:C:GLN:C	1:34:C:LYS:N	1:34:C:LYS:CA	1:34:C:LYS:C	4	1.23
(1,536)	1:29:C:PRO:C	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	18	1.23
(1,503)	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	1:12:C:GLN:N	7	1.23
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	9	1.23
(1,369)	1:70:B:GLU:N	1:70:B:GLU:CA	1:70:B:GLU:C	1:71:B:GLU:N	1	1.23
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	14	1.23
(1,226)	1:127:A:ASN:C	1:128:A:LEU:N	1:128:A:LEU:CA	1:128:A:LEU:C	20	1.23
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	5	1.23
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	17	1.22
(1,809)	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1:57:D:GLU:N	19	1.22
(1,789)	1:46:D:THR:N	1:46:D:THR:CA	1:46:D:THR:C	1:47:D:ALA:N	2	1.22
(1,775)	1:39:D:GLU:N	1:39:D:GLU:CA	1:39:D:GLU:C	1:40:D:VAL:N	13	1.22
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	14	1.22
(1,322)	1:46:B:THR:C	1:47:B:ALA:N	1:47:B:ALA:CA	1:47:B:ALA:C	3	1.22
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	17	1.22
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	4	1.22
(1,105)	1:64:A:VAL:N	1:64:A:VAL:CA	1:64:A:VAL:C	1:65:A:THR:N	10	1.22
(1,42)	1:31:A:VAL:C	1:32:A:PHE:N	1:32:A:PHE:CA	1:32:A:PHE:C	2	1.22
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	12	1.22
(1,808)	1:55:D:VAL:C	1:56:D:TYR:N	1:56:D:TYR:CA	1:56:D:TYR:C	1	1.21
(1,729)	1:12:D:GLN:N	1:12:D:GLN:CA	1:12:D:GLN:C	1:13:D:ILE:N	15	1.21
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	9	1.21
(1,455)	1:115:B:THR:N	1:115:B:THR:CA	1:115:B:THR:C	1:116:B:SER:N	13	1.21
(1,384)	1:77:B:GLU:C	1:78:B:VAL:N	1:78:B:VAL:CA	1:78:B:VAL:C	13	1.21
(1,153)	1:88:A:GLY:N	1:88:A:GLY:CA	1:88:A:GLY:C	1:89:A:ILE:N	20	1.21
(1,118)	1:70:A:GLU:C	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1	1.21
(1,76)	1:49:A:SER:C	1:50:A:GLN:N	1:50:A:GLN:CA	1:50:A:GLN:C	3	1.21
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	8	1.21
(1,8)	1:12:A:GLN:C	1:13:A:ILE:N	1:13:A:ILE:CA	1:13:A:ILE:C	5	1.21
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	7	1.2
(1,707)	1:132:C:ASN:N	1:132:C:ASN:CA	1:132:C:ASN:C	1:133:C:PHE:N	10	1.2
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	13	1.2
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	19	1.2
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	1	1.2
(1,149)	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	1:87:A:ALA:N	18	1.2
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	16	1.2
(1,113)	1:68:A:LEU:N	1:68:A:LEU:CA	1:68:A:LEU:C	1:69:A:GLY:N	7	1.2
(1,947)	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	1:129:D:ALA:N	4	1.19
(1,946)	1:127:D:ASN:C	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	18	1.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,935)	1:121:D:GLY:N	1:121:D:GLY:CA	1:121:D:GLY:C	1:122:D:THR:N	15	1.19
(1,622)	1:76:C:CYS:C	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	4	1.19
(1,595)	1:63:C:THR:N	1:63:C:THR:CA	1:63:C:THR:C	1:64:C:VAL:N	9	1.19
(1,591)	1:61:C:ARG:N	1:61:C:ARG:CA	1:61:C:ARG:C	1:62:C:VAL:N	17	1.19
(1,586)	1:58:C:VAL:C	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	14	1.19
(1,560)	1:44:C:LEU:C	1:45:C:ASP:N	1:45:C:ASP:CA	1:45:C:ASP:C	18	1.19
(1,476)	1:126:B:LEU:C	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	10	1.19
(1,394)	1:82:B:GLY:C	1:83:B:ILE:N	1:83:B:ILE:CA	1:83:B:ILE:C	1	1.19
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	19	1.19
(1,163)	1:93:A:GLN:N	1:93:A:GLN:CA	1:93:A:GLN:C	1:94:A:MET:N	4	1.19
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	17	1.19
(1,812)	1:57:D:GLU:C	1:58:D:VAL:N	1:58:D:VAL:CA	1:58:D:VAL:C	14	1.18
(1,784)	1:43:D:ASP:C	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	11	1.18
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	17	1.18
(1,621)	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	1:77:C:GLU:N	8	1.18
(1,583)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:VAL:N	13	1.18
(1,551)	1:37:C:GLN:N	1:37:C:GLN:CA	1:37:C:GLN:C	1:38:C:PRO:N	15	1.18
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	5	1.18
(1,287)	1:25:B:ALA:N	1:25:B:ALA:CA	1:25:B:ALA:C	1:26:B:PRO:N	7	1.18
(1,180)	1:101:A:TYR:C	1:102:A:CYS:N	1:102:A:CYS:CA	1:102:A:CYS:C	13	1.18
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	15	1.18
(1,60)	1:41:A:LYS:C	1:42:A:LEU:N	1:42:A:LEU:CA	1:42:A:LEU:C	6	1.18
(1,58)	1:40:A:VAL:C	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	14	1.18
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	9	1.18
(1,769)	1:35:D:ASP:N	1:35:D:ASP:CA	1:35:D:ASP:C	1:36:D:TRP:N	12	1.17
(1,750)	1:23:D:PHE:C	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	3	1.17
(1,719)	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	1:140:C:TYR:N	16	1.17
(1,718)	1:138:C:MET:C	1:139:C:ASN:N	1:139:C:ASN:CA	1:139:C:ASN:C	11	1.17
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	5	1.17
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	19	1.17
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	9	1.17
(1,231)	1:131:A:VAL:N	1:131:A:VAL:CA	1:131:A:VAL:C	1:132:A:ASN:N	10	1.17
(1,86)	1:54:A:ASP:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	15	1.17
(1,71)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:SER:N	6	1.17
(1,46)	1:33:A:GLN:C	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	20	1.17
(1,13)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	8	1.17
(1,537)	1:30:C:HIS:N	1:30:C:HIS:CA	1:30:C:HIS:C	1:31:C:VAL:N	15	1.16
(1,504)	1:11:C:PHE:C	1:12:C:GLN:N	1:12:C:GLN:CA	1:12:C:GLN:C	12	1.16
(1,329)	1:50:B:GLN:N	1:50:B:GLN:CA	1:50:B:GLN:C	1:51:B:LEU:N	12	1.16
(1,138)	1:80:A:GLN:C	1:81:A:GLY:N	1:81:A:GLY:CA	1:81:A:GLY:C	16	1.16
(1,65)	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1:45:A:ASP:N	18	1.16
(1,756)	1:27:D:ASN:C	1:28:D:ALA:N	1:28:D:ALA:CA	1:28:D:ALA:C	11	1.15
(1,691)	1:119:C:SER:N	1:119:C:SER:CA	1:119:C:SER:C	1:120:C:ARG:N	16	1.15
(1,588)	1:59:C:VAL:C	1:60:C:LEU:N	1:60:C:LEU:CA	1:60:C:LEU:C	12	1.15
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	12	1.15
(1,393)	1:82:B:GLY:N	1:82:B:GLY:CA	1:82:B:GLY:C	1:83:B:ILE:N	6	1.15
(1,326)	1:48:B:SER:C	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	11	1.15
(1,314)	1:41:B:LYS:C	1:42:B:LEU:N	1:42:B:LEU:CA	1:42:B:LEU:C	19	1.15
(1,284)	1:23:B:PHE:C	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	14	1.15
(1,155)	1:89:A:ILE:N	1:89:A:ILE:CA	1:89:A:ILE:C	1:90:A:GLU:N	13	1.15
(1,134)	1:78:A:VAL:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	9	1.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,99)	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	1:62:A:VAL:N	8	1.15
(1,1)	1:9:A:MET:N	1:9:A:MET:CA	1:9:A:MET:C	1:10:A:THR:N	11	1.15
(1,973)	1:142:D:GLN:N	1:142:D:GLN:CA	1:142:D:GLN:C	1:143:D:GLN:N	3	1.14
(1,790)	1:46:D:THR:C	1:47:D:ALA:N	1:47:D:ALA:CA	1:47:D:ALA:C	4	1.14
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	18	1.14
(1,568)	1:48:C:SER:C	1:49:C:SER:N	1:49:C:SER:CA	1:49:C:SER:C	3	1.14
(1,470)	1:122:B:THR:C	1:123:B:PHE:N	1:123:B:PHE:CA	1:123:B:PHE:C	11	1.14
(1,409)	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1:91:B:GLY:N	20	1.14
(1,360)	1:65:B:THR:C	1:66:B:ALA:N	1:66:B:ALA:CA	1:66:B:ALA:C	14	1.14
(1,319)	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	1:46:B:THR:N	16	1.14
(1,89)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:GLU:N	4	1.14
(1,976)	1:143:D:GLN:C	1:144:D:GLN:N	1:144:D:GLN:CA	1:144:D:GLN:C	19	1.13
(1,641)	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	1:89:C:ILE:N	7	1.13
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	1	1.13
(1,398)	1:84:B:PHE:C	1:85:B:SER:N	1:85:B:SER:CA	1:85:B:SER:C	15	1.13
(1,260)	1:11:B:PHE:C	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	11	1.13
(1,253)	1:142:A:GLN:N	1:142:A:GLN:CA	1:142:A:GLN:C	1:143:A:GLN:N	20	1.13
(1,119)	1:71:A:GLU:N	1:71:A:GLU:CA	1:71:A:GLU:C	1:72:A:THR:N	5	1.13
(1,70)	1:46:A:THR:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	15	1.13
(1,31)	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	1:25:A:ALA:N	6	1.13
(1,861)	1:82:D:GLY:N	1:82:D:GLY:CA	1:82:D:GLY:C	1:83:D:ILE:N	9	1.12
(1,850)	1:76:D:CYS:C	1:77:D:GLU:N	1:77:D:GLU:CA	1:77:D:GLU:C	3	1.12
(1,811)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:VAL:N	14	1.12
(1,798)	1:50:D:GLN:C	1:51:D:LEU:N	1:51:D:LEU:CA	1:51:D:LEU:C	9	1.12
(1,733)	1:14:D:GLN:N	1:14:D:GLN:CA	1:14:D:GLN:C	1:15:D:ARG:N	12	1.12
(1,640)	1:87:C:ALA:C	1:88:C:GLY:N	1:88:C:GLY:CA	1:88:C:GLY:C	11	1.12
(1,631)	1:81:C:GLY:N	1:81:C:GLY:CA	1:81:C:GLY:C	1:82:C:GLY:N	4	1.12
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	15	1.12
(1,525)	1:22:C:SER:N	1:22:C:SER:CA	1:22:C:SER:C	1:23:C:PHE:N	4	1.12
(1,340)	1:55:B:VAL:C	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	13	1.12
(1,53)	1:37:A:GLN:N	1:37:A:GLN:CA	1:37:A:GLN:C	1:38:A:PRO:N	10	1.12
(1,751)	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	1:25:D:ALA:N	13	1.11
(1,750)	1:23:D:PHE:C	1:24:D:GLU:N	1:24:D:GLU:CA	1:24:D:GLU:C	5	1.11
(1,731)	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	1:14:D:GLN:N	13	1.11
(1,657)	1:100:C:ALA:N	1:100:C:ALA:CA	1:100:C:ALA:C	1:101:C:TYR:N	13	1.11
(1,341)	1:56:B:TYR:N	1:56:B:TYR:CA	1:56:B:TYR:C	1:57:B:GLU:N	8	1.11
(1,147)	1:85:A:SER:N	1:85:A:SER:CA	1:85:A:SER:C	1:86:A:ILE:N	19	1.11
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	11	1.11
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	3	1.11
(1,75)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:GLN:N	8	1.11
(1,59)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LEU:N	8	1.11
(1,947)	1:128:D:LEU:N	1:128:D:LEU:CA	1:128:D:LEU:C	1:129:D:ALA:N	16	1.1
(1,683)	1:115:C:THR:N	1:115:C:THR:CA	1:115:C:THR:C	1:116:C:SER:N	11	1.1
(1,643)	1:90:C:GLU:N	1:90:C:GLU:CA	1:90:C:GLU:C	1:91:C:GLY:N	5	1.1
(1,608)	1:69:C:GLY:C	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	6	1.1
(1,584)	1:57:C:GLU:C	1:58:C:VAL:N	1:58:C:VAL:CA	1:58:C:VAL:C	11	1.1
(1,562)	1:45:C:ASP:C	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	6	1.1
(1,477)	1:127:B:ASN:N	1:127:B:ASN:CA	1:127:B:ASN:C	1:128:B:LEU:N	18	1.1
(1,408)	1:89:B:ILE:C	1:90:B:GLU:N	1:90:B:GLU:CA	1:90:B:GLU:C	18	1.1
(1,400)	1:85:B:SER:C	1:86:B:ILE:N	1:86:B:ILE:CA	1:86:B:ILE:C	4	1.1
(1,352)	1:61:B:ARG:C	1:62:B:VAL:N	1:62:B:VAL:CA	1:62:B:VAL:C	13	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,342)	1:56:B:TYR:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1	1.1
(1,218)	1:122:A:THR:C	1:123:A:PHE:N	1:123:A:PHE:CA	1:123:A:PHE:C	11	1.1
(1,135)	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	1:80:A:GLN:N	13	1.1
(1,865)	1:84:D:PHE:N	1:84:D:PHE:CA	1:84:D:PHE:C	1:85:D:SER:N	10	1.09
(1,811)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:VAL:N	4	1.09
(1,797)	1:50:D:GLN:N	1:50:D:GLN:CA	1:50:D:GLN:C	1:51:D:LEU:N	17	1.09
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	19	1.09
(1,756)	1:27:D:ASN:C	1:28:D:ALA:N	1:28:D:ALA:CA	1:28:D:ALA:C	16	1.09
(1,619)	1:75:C:LEU:N	1:75:C:LEU:CA	1:75:C:LEU:C	1:76:C:CYS:N	20	1.09
(1,403)	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	1:88:B:GLY:N	12	1.09
(1,318)	1:44:B:LEU:C	1:45:B:ASP:N	1:45:B:ASP:CA	1:45:B:ASP:C	14	1.09
(1,171)	1:97:A:CYS:N	1:97:A:CYS:CA	1:97:A:CYS:C	1:98:A:LEU:N	10	1.09
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	7	1.09
(1,974)	1:142:D:GLN:C	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	7	1.08
(1,895)	1:99:D:GLY:N	1:99:D:GLY:CA	1:99:D:GLY:C	1:100:D:ALA:N	3	1.08
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	3	1.08
(1,848)	1:75:D:LEU:C	1:76:D:CYS:N	1:76:D:CYS:CA	1:76:D:CYS:C	13	1.08
(1,781)	1:42:D:LEU:N	1:42:D:LEU:CA	1:42:D:LEU:C	1:43:D:ASP:N	3	1.08
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	10	1.08
(1,609)	1:70:C:GLU:N	1:70:C:GLU:CA	1:70:C:GLU:C	1:71:C:GLU:N	7	1.08
(1,592)	1:61:C:ARG:C	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	1	1.08
(1,563)	1:46:C:THR:N	1:46:C:THR:CA	1:46:C:THR:C	1:47:C:ALA:N	5	1.08
(1,327)	1:49:B:SER:N	1:49:B:SER:CA	1:49:B:SER:C	1:50:B:GLN:N	15	1.08
(1,304)	1:35:B:ASP:C	1:36:B:TRP:N	1:36:B:TRP:CA	1:36:B:TRP:C	11	1.08
(1,301)	1:34:B:LYS:N	1:34:B:LYS:CA	1:34:B:LYS:C	1:35:B:ASP:N	19	1.08
(1,130)	1:76:A:CYS:C	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	5	1.08
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	4	1.08
(1,58)	1:40:A:VAL:C	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	3	1.08
(1,876)	1:89:D:ILE:C	1:90:D:GLU:N	1:90:D:GLU:CA	1:90:D:GLU:C	6	1.07
(1,856)	1:79:D:GLN:C	1:80:D:GLN:N	1:80:D:GLN:CA	1:80:D:GLN:C	8	1.07
(1,653)	1:97:C:CYS:N	1:97:C:CYS:CA	1:97:C:CYS:C	1:98:C:LEU:N	17	1.07
(1,604)	1:67:C:SER:C	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	10	1.07
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	13	1.07
(1,250)	1:140:A:TYR:C	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	3	1.07
(1,164)	1:93:A:GLN:C	1:94:A:MET:N	1:94:A:MET:CA	1:94:A:MET:C	14	1.07
(1,141)	1:82:A:GLY:N	1:82:A:GLY:CA	1:82:A:GLY:C	1:83:A:ILE:N	5	1.07
(1,57)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:LYS:N	7	1.07
(1,4)	1:10:A:THR:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	10	1.07
(1,862)	1:82:D:GLY:C	1:83:D:ILE:N	1:83:D:ILE:CA	1:83:D:ILE:C	1	1.06
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	13	1.06
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	11	1.06
(1,499)	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	1:10:C:THR:N	5	1.06
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	13	1.06
(1,337)	1:54:B:ASP:N	1:54:B:ASP:CA	1:54:B:ASP:C	1:55:B:VAL:N	6	1.06
(1,263)	1:13:B:ILE:N	1:13:B:ILE:CA	1:13:B:ILE:C	1:14:B:GLN:N	10	1.06
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	13	1.06
(1,247)	1:139:A:ASN:N	1:139:A:ASN:CA	1:139:A:ASN:C	1:140:A:TYR:N	3	1.06
(1,32)	1:24:A:GLU:C	1:25:A:ALA:N	1:25:A:ALA:CA	1:25:A:ALA:C	19	1.06
(1,28)	1:22:A:SER:C	1:23:A:PHE:N	1:23:A:PHE:CA	1:23:A:PHE:C	11	1.06
(1,971)	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	1:142:D:GLN:N	13	1.05
(1,847)	1:75:D:LEU:N	1:75:D:LEU:CA	1:75:D:LEU:C	1:76:D:CYS:N	7	1.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,778)	1:40:D:VAL:C	1:41:D:LYS:N	1:41:D:LYS:CA	1:41:D:LYS:C	9	1.05
(1,621)	1:76:C:CYS:N	1:76:C:CYS:CA	1:76:C:CYS:C	1:77:C:GLU:N	14	1.05
(1,512)	1:15:C:ARG:C	1:16:C:ILE:N	1:16:C:ILE:CA	1:16:C:ILE:C	7	1.05
(1,502)	1:10:C:THR:C	1:11:C:PHE:N	1:11:C:PHE:CA	1:11:C:PHE:C	7	1.05
(1,472)	1:124:B:PRO:C	1:125:B:GLN:N	1:125:B:GLN:CA	1:125:B:GLN:C	20	1.05
(1,157)	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1:91:A:GLY:N	17	1.05
(1,148)	1:85:A:SER:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	5	1.05
(1,117)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLU:N	7	1.05
(1,64)	1:43:A:ASP:C	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	10	1.05
(1,44)	1:32:A:PHE:C	1:33:A:GLN:N	1:33:A:GLN:CA	1:33:A:GLN:C	11	1.05
(1,11)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	14	1.05
(1,975)	1:143:D:GLN:N	1:143:D:GLN:CA	1:143:D:GLN:C	1:144:D:GLN:N	5	1.04
(1,872)	1:87:D:ALA:C	1:88:D:GLY:N	1:88:D:GLY:CA	1:88:D:GLY:C	1	1.04
(1,766)	1:33:D:GLN:C	1:34:D:LYS:N	1:34:D:LYS:CA	1:34:D:LYS:C	8	1.04
(1,704)	1:127:C:ASN:C	1:128:C:LEU:N	1:128:C:LEU:CA	1:128:C:LEU:C	6	1.04
(1,637)	1:84:C:PHE:N	1:84:C:PHE:CA	1:84:C:PHE:C	1:85:C:SER:N	17	1.04
(1,593)	1:62:C:VAL:N	1:62:C:VAL:CA	1:62:C:VAL:C	1:63:C:THR:N	12	1.04
(1,587)	1:59:C:VAL:N	1:59:C:VAL:CA	1:59:C:VAL:C	1:60:C:LEU:N	11	1.04
(1,518)	1:18:C:THR:C	1:19:C:LYS:N	1:19:C:LYS:CA	1:19:C:LYS:C	9	1.04
(1,427)	1:99:B:GLY:N	1:99:B:GLY:CA	1:99:B:GLY:C	1:100:B:ALA:N	7	1.04
(1,404)	1:87:B:ALA:C	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	18	1.04
(1,402)	1:86:B:ILE:C	1:87:B:ALA:N	1:87:B:ALA:CA	1:87:B:ALA:C	2	1.04
(1,261)	1:12:B:GLN:N	1:12:B:GLN:CA	1:12:B:GLN:C	1:13:B:ILE:N	11	1.04
(1,256)	1:9:B:MET:C	1:10:B:THR:N	1:10:B:THR:CA	1:10:B:THR:C	15	1.04
(1,251)	1:141:A:LEU:N	1:141:A:LEU:CA	1:141:A:LEU:C	1:142:A:GLN:N	18	1.04
(1,142)	1:82:A:GLY:C	1:83:A:ILE:N	1:83:A:ILE:CA	1:83:A:ILE:C	13	1.04
(1,137)	1:80:A:GLN:N	1:80:A:GLN:CA	1:80:A:GLN:C	1:81:A:GLY:N	8	1.04
(1,116)	1:69:A:GLY:C	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	3	1.04
(1,107)	1:65:A:THR:N	1:65:A:THR:CA	1:65:A:THR:C	1:66:A:ALA:N	20	1.04
(1,57)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:LYS:N	14	1.04
(1,22)	1:19:A:LYS:C	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	8	1.04
(1,730)	1:12:D:GLN:C	1:13:D:ILE:N	1:13:D:ILE:CA	1:13:D:ILE:C	18	1.03
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	14	1.03
(1,528)	1:23:C:PHE:C	1:24:C:GLU:N	1:24:C:GLU:CA	1:24:C:GLU:C	20	1.03
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	6	1.03
(1,498)	1:8:C:GLU:C	1:9:C:MET:N	1:9:C:MET:CA	1:9:C:MET:C	14	1.03
(1,348)	1:59:B:VAL:C	1:60:B:LEU:N	1:60:B:LEU:CA	1:60:B:LEU:C	4	1.03
(1,290)	1:27:B:ASN:C	1:28:B:ALA:N	1:28:B:ALA:CA	1:28:B:ALA:C	19	1.03
(1,145)	1:84:A:PHE:N	1:84:A:PHE:CA	1:84:A:PHE:C	1:85:A:SER:N	14	1.03
(1,135)	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	1:80:A:GLN:N	20	1.03
(1,30)	1:23:A:PHE:C	1:24:A:GLU:N	1:24:A:GLU:CA	1:24:A:GLU:C	9	1.03
(1,14)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	7	1.03
(1,971)	1:141:D:LEU:N	1:141:D:LEU:CA	1:141:D:LEU:C	1:142:D:GLN:N	7	1.02
(1,784)	1:43:D:ASP:C	1:44:D:LEU:N	1:44:D:LEU:CA	1:44:D:LEU:C	5	1.02
(1,700)	1:124:C:PRO:C	1:125:C:GLN:N	1:125:C:GLN:CA	1:125:C:GLN:C	11	1.02
(1,656)	1:99:C:GLY:C	1:100:C:ALA:N	1:100:C:ALA:CA	1:100:C:ALA:C	12	1.02
(1,622)	1:76:C:CYS:C	1:77:C:GLU:N	1:77:C:GLU:CA	1:77:C:GLU:C	3	1.02
(1,605)	1:68:C:LEU:N	1:68:C:LEU:CA	1:68:C:LEU:C	1:69:C:GLY:N	2	1.02
(1,555)	1:41:C:LYS:N	1:41:C:LYS:CA	1:41:C:LYS:C	1:42:C:LEU:N	20	1.02
(1,464)	1:119:B:SER:C	1:120:B:ARG:N	1:120:B:ARG:CA	1:120:B:ARG:C	20	1.02
(1,354)	1:62:B:VAL:C	1:63:B:THR:N	1:63:B:THR:CA	1:63:B:THR:C	11	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,346)	1:58:B:VAL:C	1:59:B:VAL:N	1:59:B:VAL:CA	1:59:B:VAL:C	12	1.02
(1,94)	1:58:A:VAL:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	8	1.02
(1,634)	1:82:C:GLY:C	1:83:C:ILE:N	1:83:C:ILE:CA	1:83:C:ILE:C	15	1.01
(1,521)	1:20:C:ASP:N	1:20:C:ASP:CA	1:20:C:ASP:C	1:21:C:ILE:N	14	1.01
(1,427)	1:99:B:GLY:N	1:99:B:GLY:CA	1:99:B:GLY:C	1:100:B:ALA:N	17	1.01
(1,404)	1:87:B:ALA:C	1:88:B:GLY:N	1:88:B:GLY:CA	1:88:B:GLY:C	8	1.01
(1,397)	1:84:B:PHE:N	1:84:B:PHE:CA	1:84:B:PHE:C	1:85:B:SER:N	13	1.01
(1,285)	1:24:B:GLU:N	1:24:B:GLU:CA	1:24:B:GLU:C	1:25:B:ALA:N	4	1.01
(1,214)	1:120:A:ARG:C	1:121:A:GLY:N	1:121:A:GLY:CA	1:121:A:GLY:C	1	1.01
(1,131)	1:77:A:GLU:N	1:77:A:GLU:CA	1:77:A:GLU:C	1:78:A:VAL:N	7	1.01
(1,962)	1:136:D:LEU:C	1:137:D:PHE:N	1:137:D:PHE:CA	1:137:D:PHE:C	7	1.0
(1,754)	1:26:D:PRO:C	1:27:D:ASN:N	1:27:D:ASN:CA	1:27:D:ASN:C	9	1.0
(1,324)	1:47:B:ALA:C	1:48:B:SER:N	1:48:B:SER:CA	1:48:B:SER:C	1	1.0