



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 04:54 AM EDT

PDB ID : 5JTR
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 ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
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) : 2.33

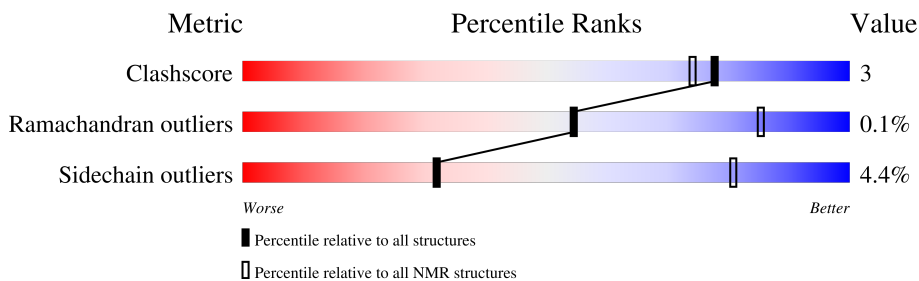
1 Overall quality at a glance

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	155	
1	B	155	
1	C	155	
1	D	155	
2	E	40	
2	F	40	
2	G	40	
2	H	40	

2 Ensemble composition and analysis

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.

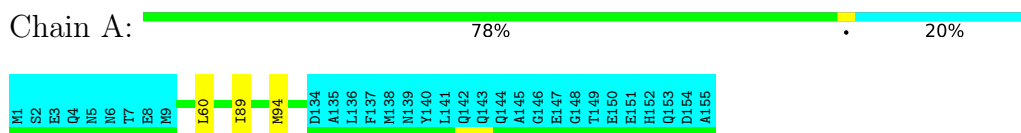
Mol	Chain	Residues	Atoms						Trace
2	E	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	F	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	G	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	
2	H	40	Total	C	H	N	O	S	0
			641	216	315	49	60	1	

4 Residue-property plots [i](#)

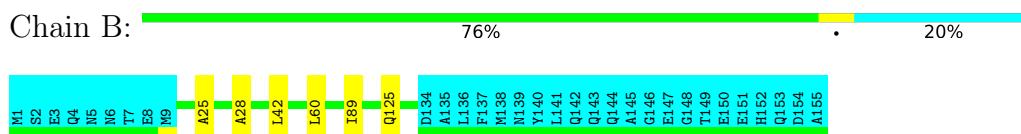
4.1 Average score per residue in the NMR ensemble

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.

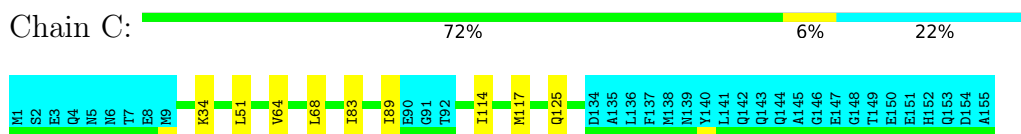
- Molecule 1: Protein-export protein SecB



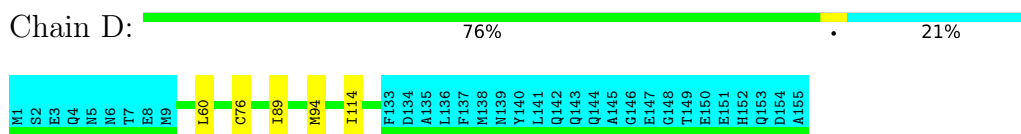
- Molecule 1: Protein-export protein SecB



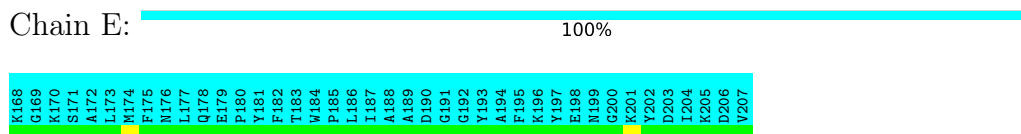
- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



- Molecule 2: Maltose-binding periplasmic protein



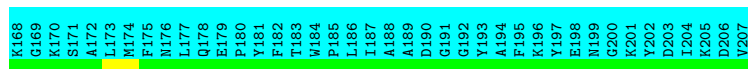
- Molecule 2: Maltose-binding periplasmic protein

Chain F:  100%



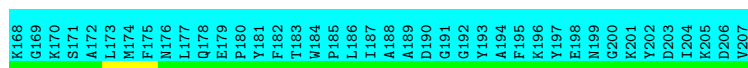
- Molecule 2: Maltose-binding periplasmic protein

Chain G:  100%



- Molecule 2: Maltose-binding periplasmic protein

Chain H:  100%



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:  73%  7%  20%



- Molecule 1: Protein-export protein SecB

Chain B:  69%  10%  20%



- Molecule 1: Protein-export protein SecB

Chain C:  68%  9% 22%





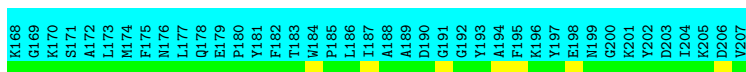
- Molecule 1: Protein-export protein SecB

Chain D: 72% 7% 21%



- Molecule 2: Maltose-binding periplasmic protein

Chain E: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain F: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

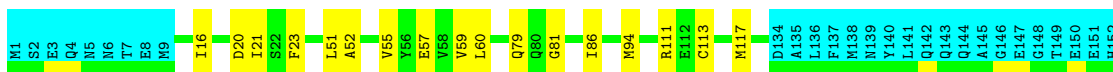
Chain H: 100%



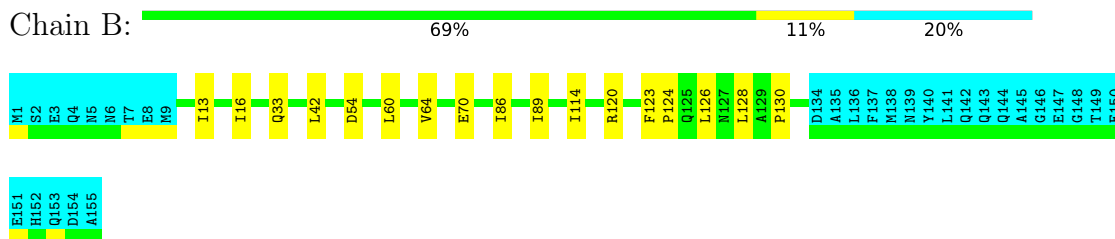
4.2.2 Score per residue for model 2

- Molecule 1: Protein-export protein SecB

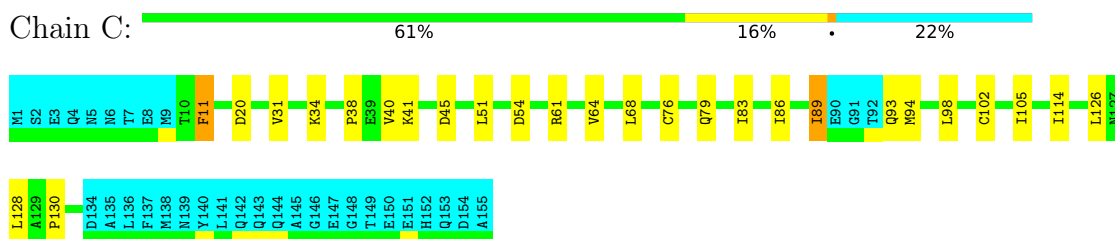
Chain A: 69% 11% 20%



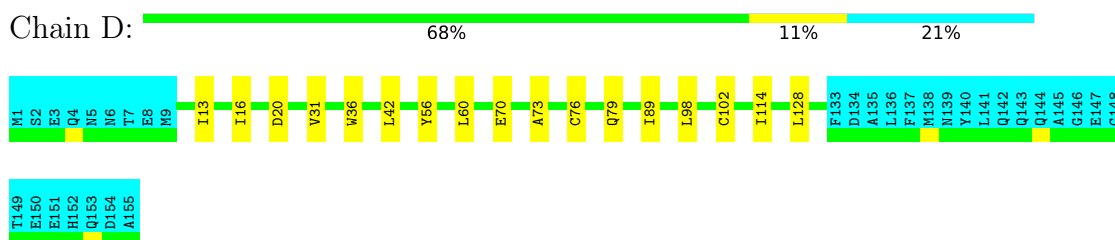
- Molecule 1: Protein-export protein SecB



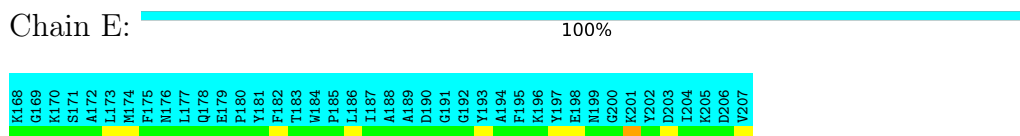
- Molecule 1: Protein-export protein SecB



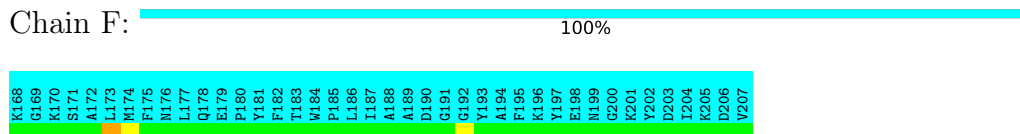
- Molecule 1: Protein-export protein SecB



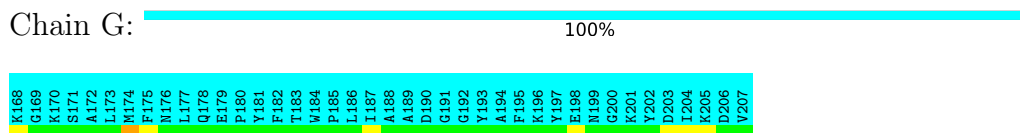
- Molecule 2: Maltose-binding periplasmic protein



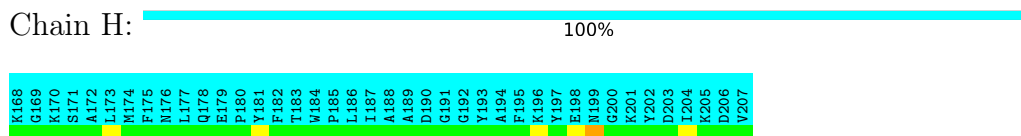
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

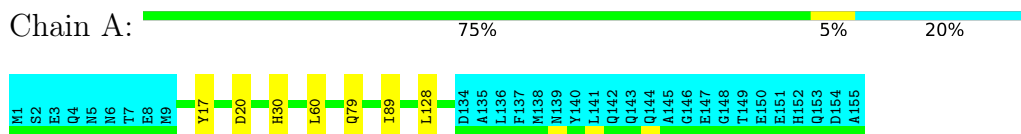


- Molecule 2: Maltose-binding periplasmic protein

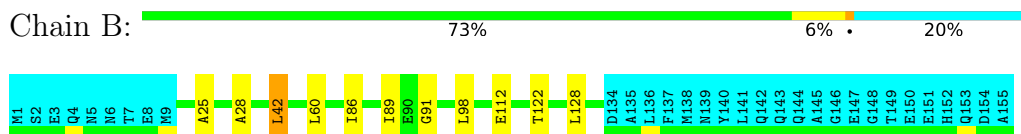


4.2.3 Score per residue for model 3

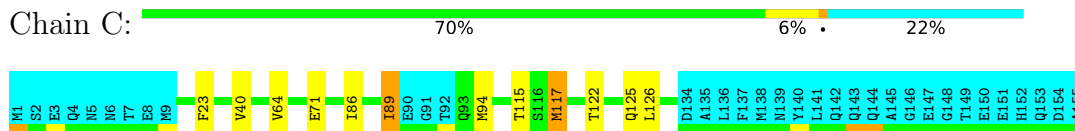
- Molecule 1: Protein-export protein SecB



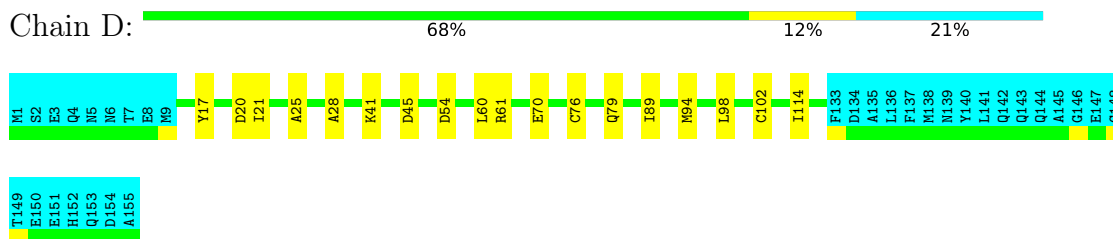
- Molecule 1: Protein-export protein SecB



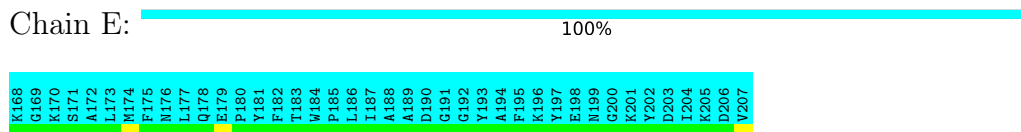
- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

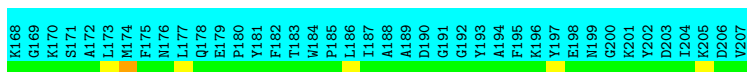




- Molecule 2: Maltose-binding periplasmic protein

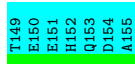


- Molecule 2: Maltose-binding periplasmic protein



4.2.4 Score per residue for model 4

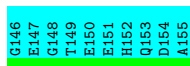
- Molecule 1: Protein-export protein SecB



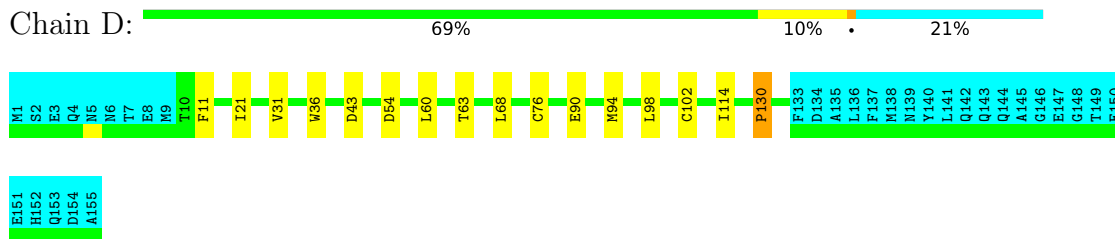
- Molecule 1: Protein-export protein SecB



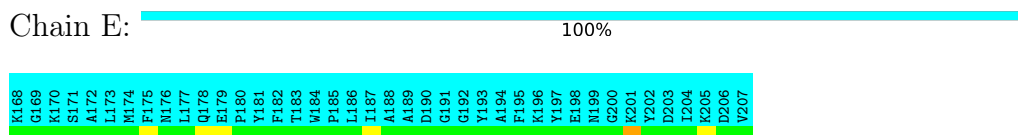
- Molecule 1: Protein-export protein SecB



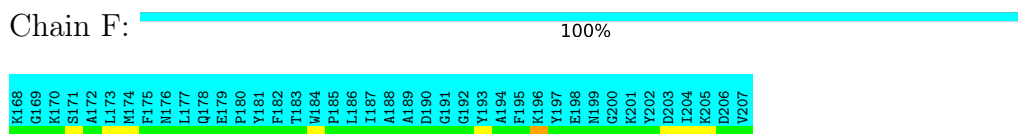
- Molecule 1: Protein-export protein SecB



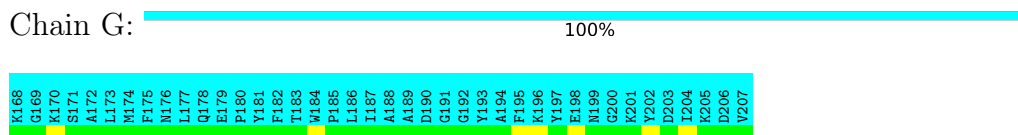
- Molecule 2: Maltose-binding periplasmic protein



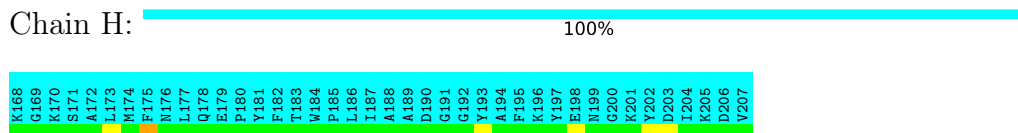
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

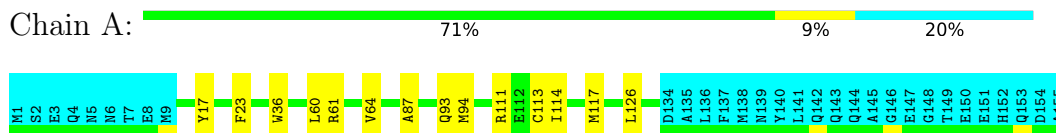


- Molecule 2: Maltose-binding periplasmic protein



4.2.5 Score per residue for model 5

- Molecule 1: Protein-export protein SecB

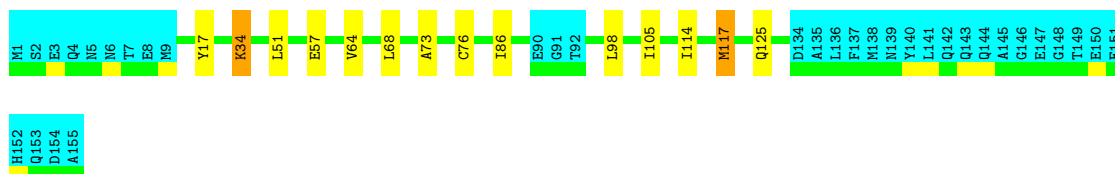


- Molecule 1: Protein-export protein SecB

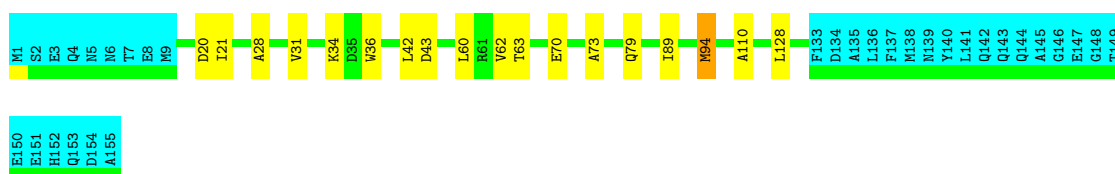




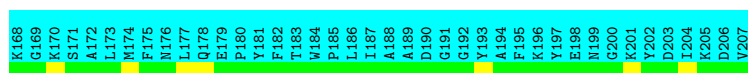
• Molecule 1: Protein-export protein SecB



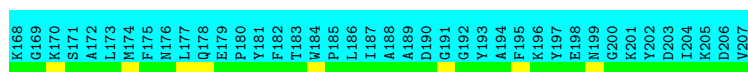
• Molecule 1: Protein-export protein SecB



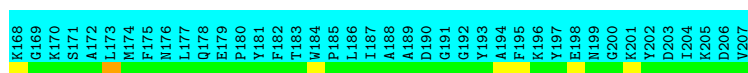
• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein

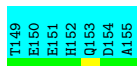




4.2.6 Score per residue for model 6

- Molecule 1: Protein-export protein SecB

Chain A: 68% 12% 20%



- Molecule 1: Protein-export protein SecB

Chain B: 70% 9% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 70% 8% 22%



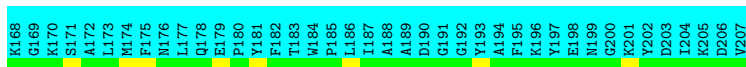
- Molecule 1: Protein-export protein SecB

Chain D: 76% 0% 21%



- Molecule 2: Maltose-binding periplasmic protein

Chain E: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain F: 100%



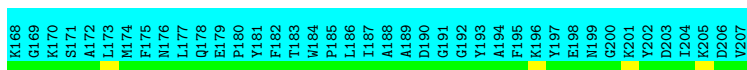
- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain H: 100%



4.2.7 Score per residue for model 7

- Molecule 1: Protein-export protein SecB

Chain A: 74% 6% 20%



- Molecule 1: Protein-export protein SecB

Chain B: 71% 9% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 68% 10% 22%



- Molecule 1: Protein-export protein SecB

Chain D: 70% 9% 21%



D154
A155

- Molecule 2: Maltose-binding periplasmic protein

Chain E:  100%

K168 G169 K170 S171 A172 L173 M174 F175 M176 L177 Q178 E179 P180 Y181 F182 T183 M184 P185 L186 L187 A188 A189 D190 G191 G192 G193 Y194 F195 K196 Y197 E198 N199 G200 K201 Y202 D203 I204 K205 D206 V207

- Molecule 2: Maltose-binding periplasmic protein

Chain F:  100%

K168 G169 K170 S171 A172 L173 M174 F175 M176 L177 Q178 E179 P180 Y181 F182 T183 M184 P185 L186 L187 A188 A189 D190 G191 G192 G193 Y194 F195 K196 Y197 E198 N199 G200 K201 Y202 D203 I204 K205 D206 V207

- Molecule 2: Maltose-binding periplasmic protein

Chain G:  100%

K168 G169 K170 S171 A172 L173 M174 F175 M176 L177 Q178 E179 P180 Y181 F182 T183 M184 P185 L186 L187 A188 A189 D190 G191 G192 G193 Y194 F195 K196 Y197 E198 N199 G200 K201 Y202 D203 I204 K205 D206 V207

- Molecule 2: Maltose-binding periplasmic protein

Chain H:  100%

K168 G169 K170 S171 A172 L173 M174 F175 M176 L177 Q178 E179 P180 Y181 F182 T183 M184 P185 L186 L187 A188 A189 D190 G191 G192 G193 Y194 F195 K196 Y197 E198 N199 G200 K201 Y202 D203 I204 K205 D206 V207

4.2.8 Score per residue for model 8

- Molecule 1: Protein-export protein SecB

Chain A:  72%  7%  20%

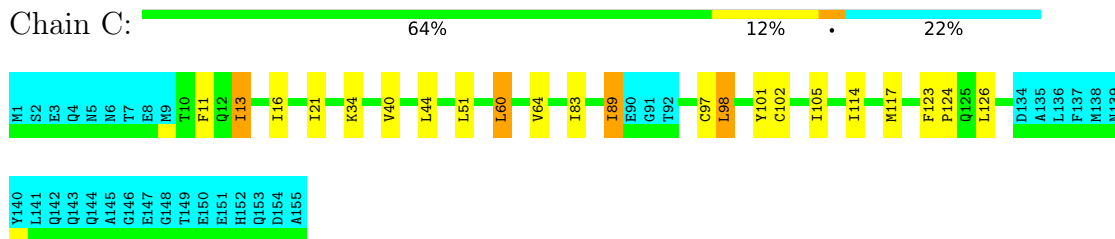
M1 S2 E3 Q4 N5 M6 T7 E8 M9 Y17 V31 D43 L60 T63 L68 I86 A87 G88 C97 C102 T115 Q125 D134 A135 L136 F137 M138 N139 Y140 L141 Q142 Q143 Q144 A145 G146 E147 G148 T149 E150 H151 H152 Q153 D154 A155

- Molecule 1: Protein-export protein SecB

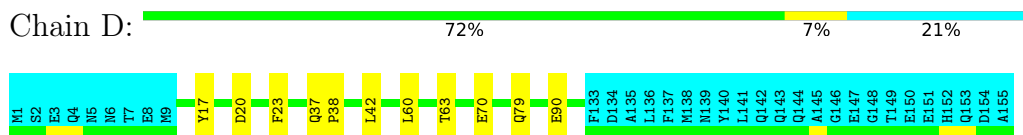
Chain B:  73%  7%  20%

M1 S2 E3 Q4 N5 M6 T7 E8 M9 D20 A28 Q37 L60 L68 A73 Q79 I89 E112 Q125 L126 N127 D134 A135 L136 F137 M138 N139 Y140 L141 Q142 Q143 Q144 A145 G146 E147 G148 T149 E150 H151 H152 Q153 D154 A155

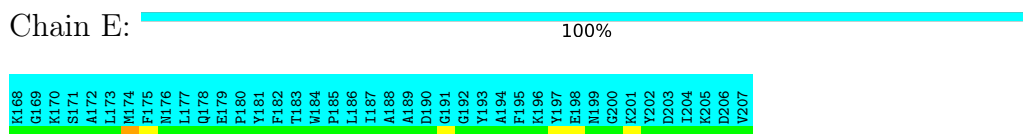
- Molecule 1: Protein-export protein SecB



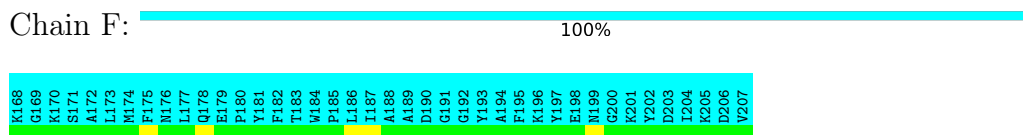
- Molecule 1: Protein-export protein SecB



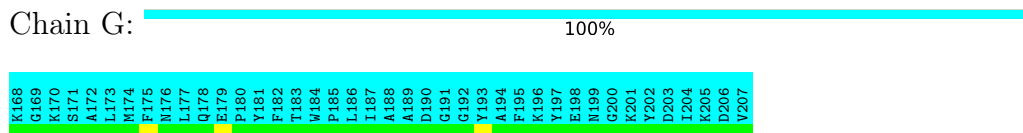
- Molecule 2: Maltose-binding periplasmic protein



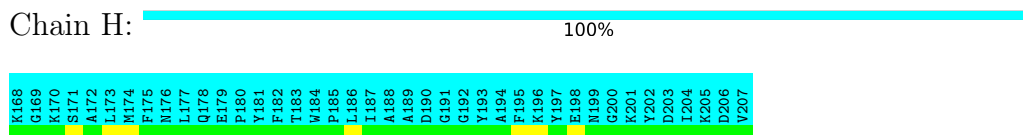
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



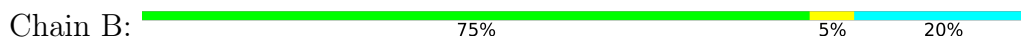
4.2.9 Score per residue for model 9 (medoid)

- Molecule 1: Protein-export protein SecB





- Molecule 1: Protein-export protein SecB



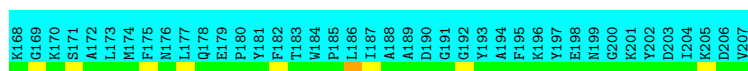
- Molecule 1: Protein-export protein SecB



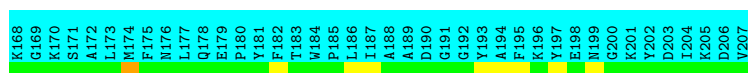
- Molecule 1: Protein-export protein SecB



- Molecule 2: Maltose-binding periplasmic protein



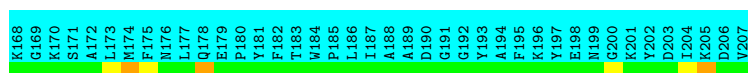
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

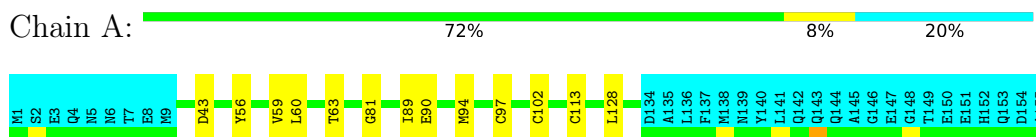


- Molecule 2: Maltose-binding periplasmic protein

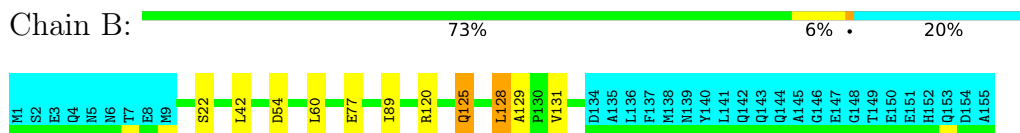


4.2.10 Score per residue for model 10

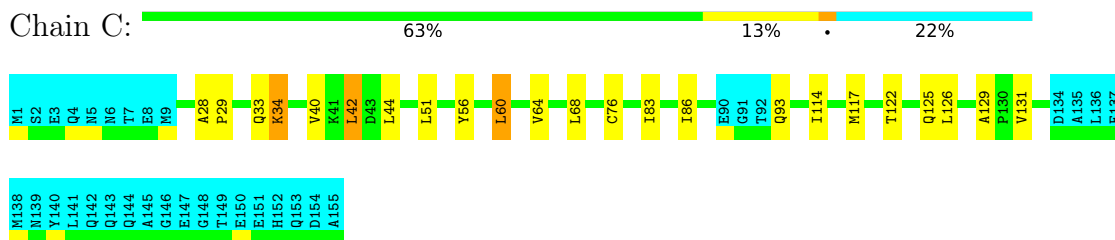
- Molecule 1: Protein-export protein SecB



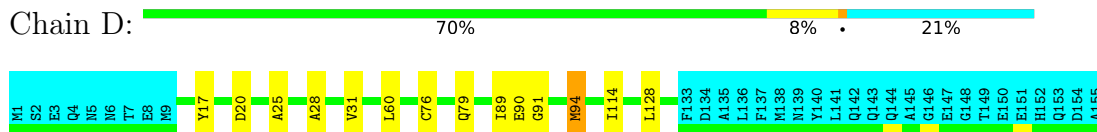
- Molecule 1: Protein-export protein SecB



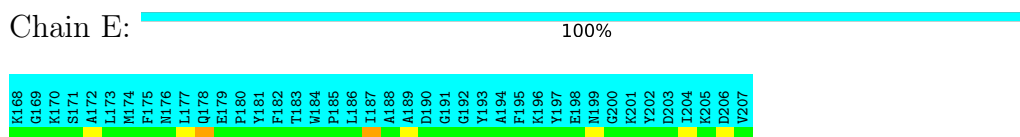
- Molecule 1: Protein-export protein SecB



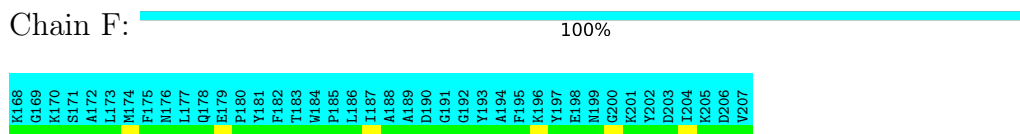
- Molecule 1: Protein-export protein SecB



- Molecule 2: Maltose-binding periplasmic protein



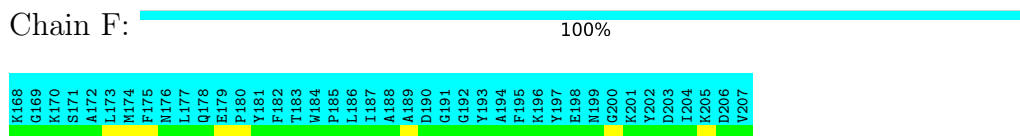
- Molecule 2: Maltose-binding periplasmic protein



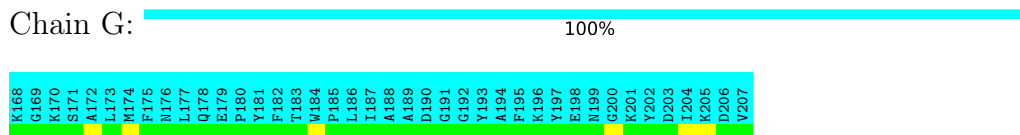
- Molecule 2: Maltose-binding periplasmic protein



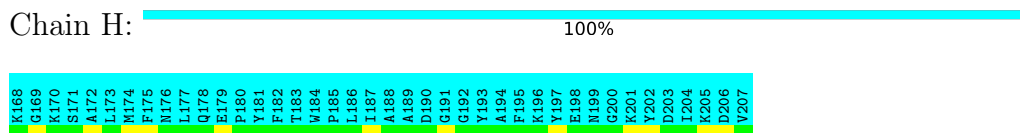
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

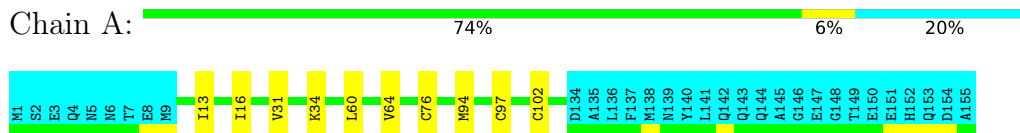


- Molecule 2: Maltose-binding periplasmic protein

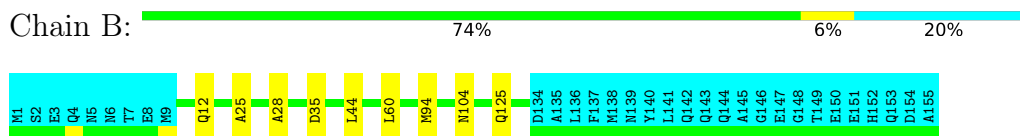


4.2.12 Score per residue for model 12

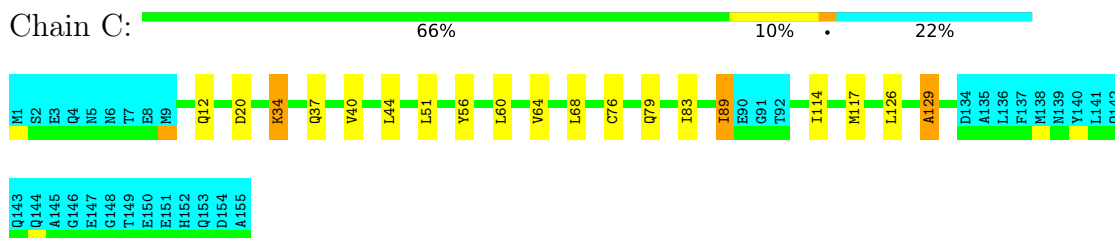
- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB





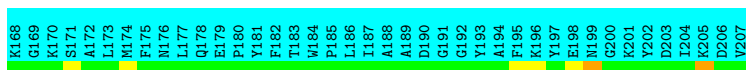
- Molecule 2: Maltose-binding periplasmic protein

Chain E: 100%



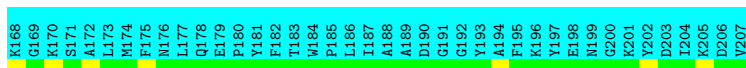
- Molecule 2: Maltose-binding periplasmic protein

Chain F: 100%



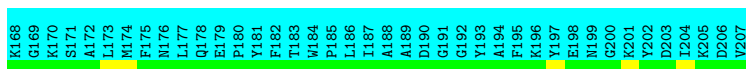
- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain H: 100%



4.2.13 Score per residue for model 13

- Molecule 1: Protein-export protein SecB

Chain A: 70% 9% 20%

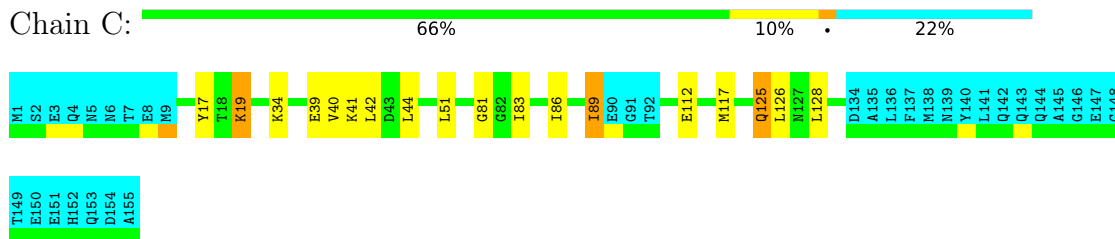


- Molecule 1: Protein-export protein SecB

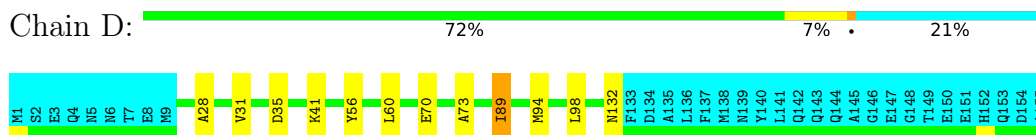
Chain B: 71% 7% 20%



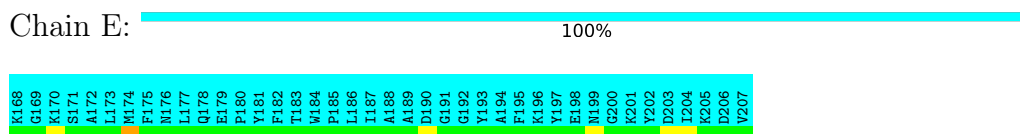
- Molecule 1: Protein-export protein SecB



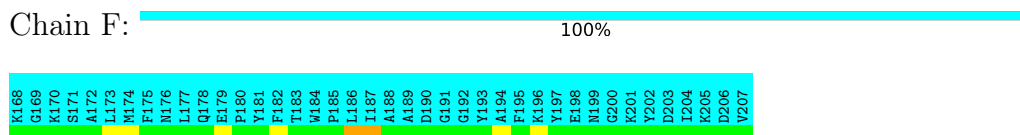
- Molecule 1: Protein-export protein SecB



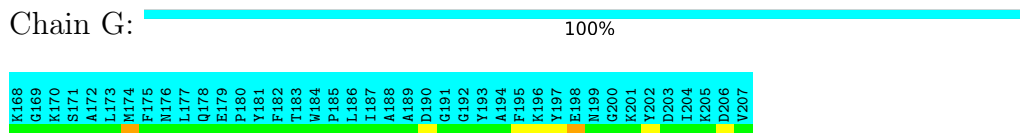
- Molecule 2: Maltose-binding periplasmic protein



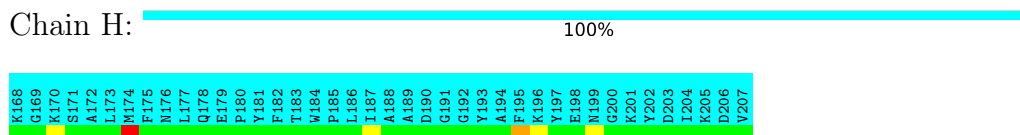
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



4.2.14 Score per residue for model 14

- Molecule 1: Protein-export protein SecB

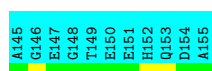
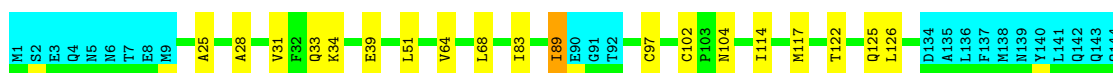




• Molecule 1: Protein-export protein SecB



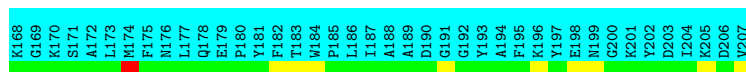
• Molecule 1: Protein-export protein SecB



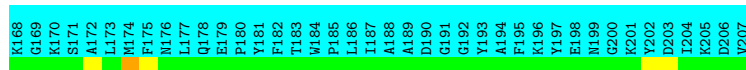
• Molecule 1: Protein-export protein SecB



• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein

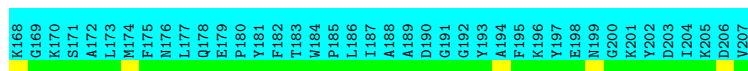


• Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein

Chain H:  100%



4.2.15 Score per residue for model 15

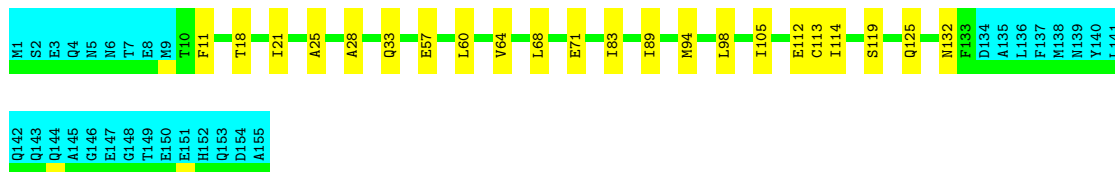
- Molecule 1: Protein-export protein SecB

Chain A:  73%  7%  20%



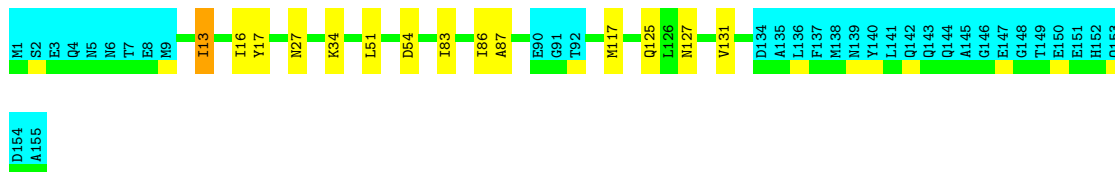
- Molecule 1: Protein-export protein SecB

Chain B:  66%  14%  20%



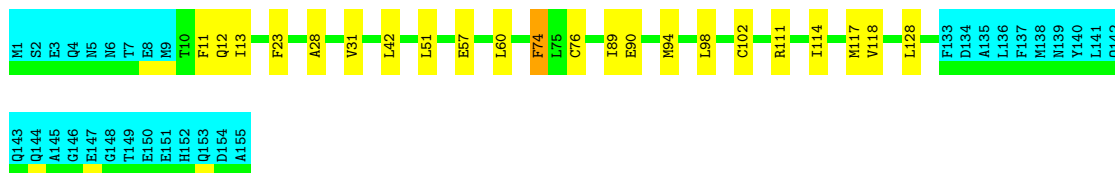
- Molecule 1: Protein-export protein SecB

Chain C:  69%  8%  22%



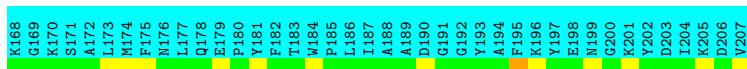
- Molecule 1: Protein-export protein SecB

Chain D:  65%  14%  21%



- Molecule 2: Maltose-binding periplasmic protein

Chain E:  100%



- Molecule 2: Maltose-binding periplasmic protein

Chain F: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain H: 100%



4.2.16 Score per residue for model 16

- Molecule 1: Protein-export protein SecB

Chain A: 74% 6% 20%



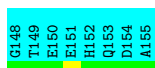
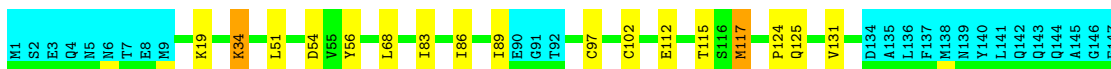
- Molecule 1: Protein-export protein SecB

Chain B: 72% 8% 20%

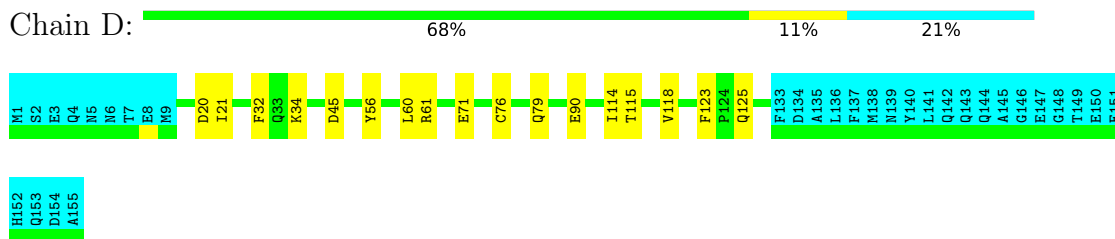


- Molecule 1: Protein-export protein SecB

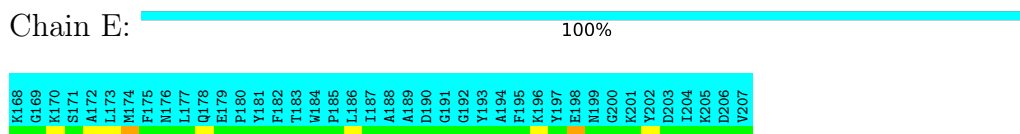
Chain C: 67% 10% 22%



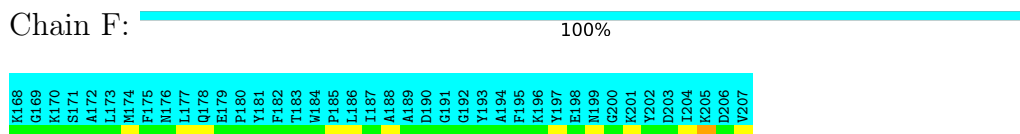
- Molecule 1: Protein-export protein SecB



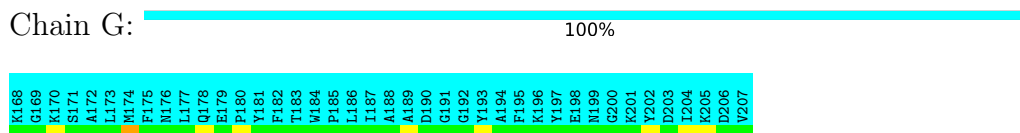
- Molecule 2: Maltose-binding periplasmic protein



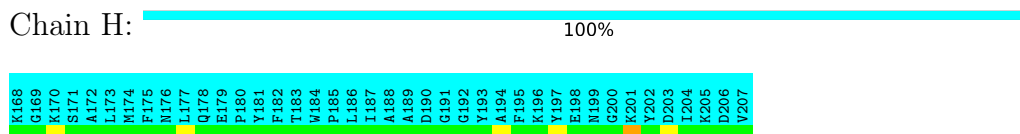
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



4.2.17 Score per residue for model 17

- Molecule 1: Protein-export protein SecB

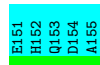


- Molecule 1: Protein-export protein SecB

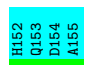
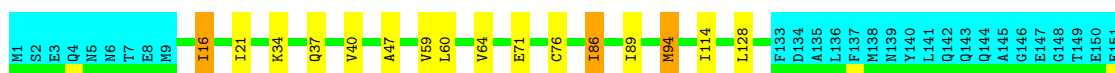




• Molecule 1: Protein-export protein SecB



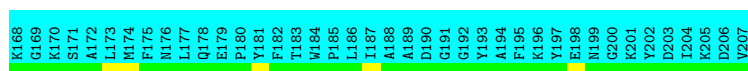
• Molecule 1: Protein-export protein SecB



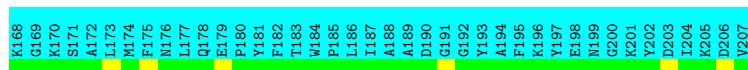
• Molecule 2: Maltose-binding periplasmic protein



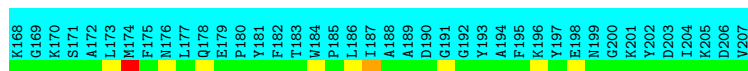
• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein

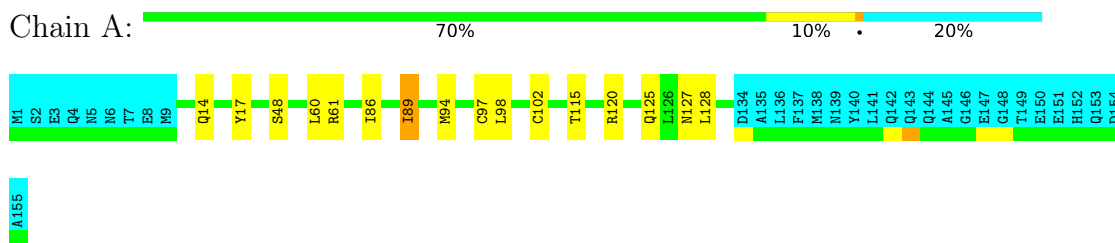


• Molecule 2: Maltose-binding periplasmic protein

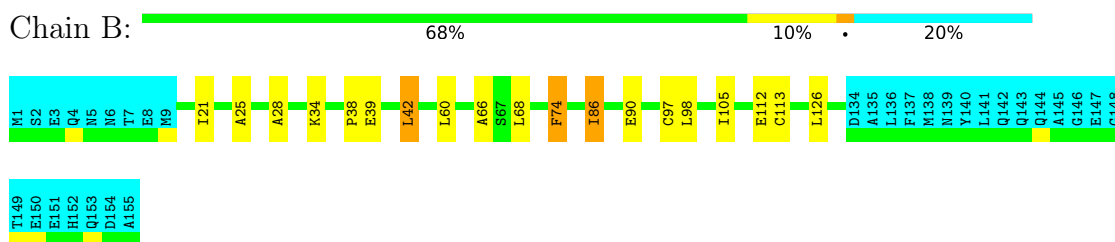


4.2.18 Score per residue for model 18

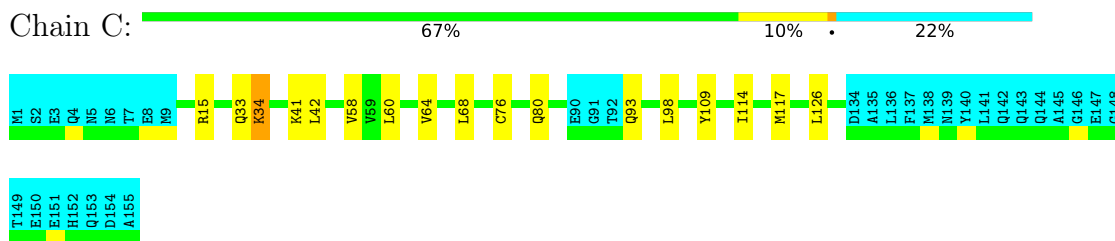
• Molecule 1: Protein-export protein SecB



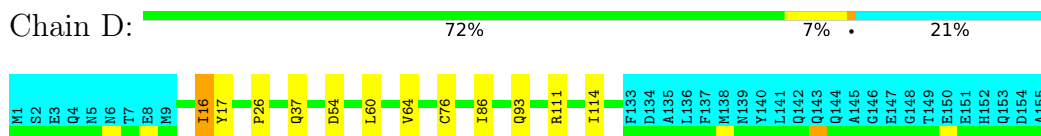
• Molecule 1: Protein-export protein SecB



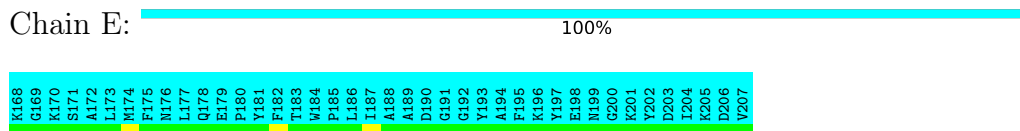
• Molecule 1: Protein-export protein SecB



• Molecule 1: Protein-export protein SecB



• Molecule 2: Maltose-binding periplasmic protein



• Molecule 2: Maltose-binding periplasmic protein





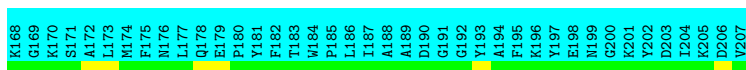
- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

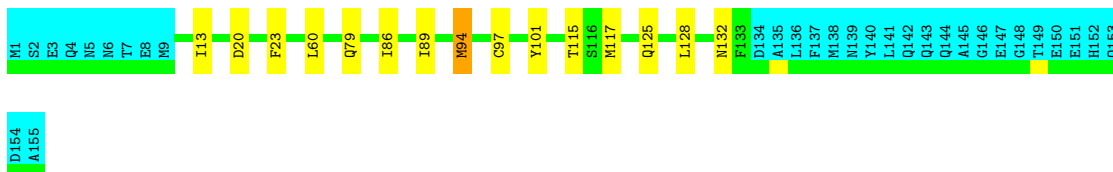
Chain H: 100%



4.2.19 Score per residue for model 19

- Molecule 1: Protein-export protein SecB

Chain A: 70% 9% 20%



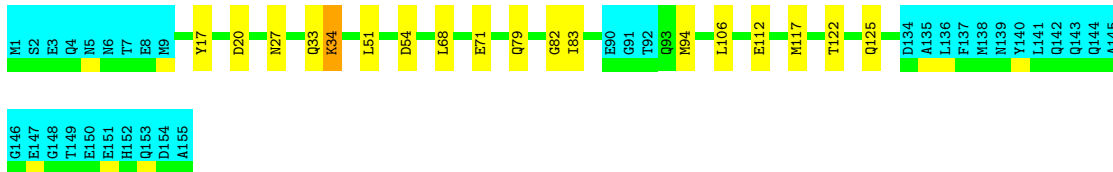
- Molecule 1: Protein-export protein SecB

Chain B: 72% 8% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 66% 11% 22%



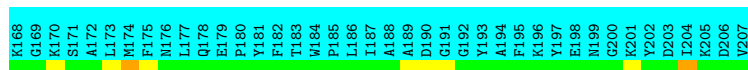
- Molecule 1: Protein-export protein SecB

Chain D: 70% 9% 21%



- Molecule 2: Maltose-binding periplasmic protein

Chain E: 100%



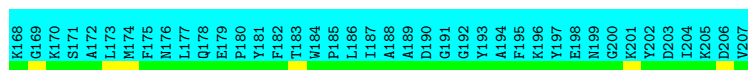
- Molecule 2: Maltose-binding periplasmic protein

Chain F: 100%



- Molecule 2: Maltose-binding periplasmic protein

Chain G: 100%



- Molecule 2: Maltose-binding periplasmic protein

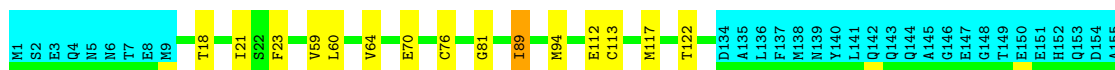
Chain H: 100%



4.2.20 Score per residue for model 20

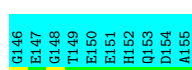
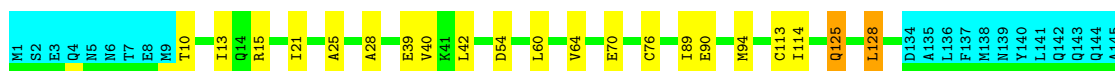
- Molecule 1: Protein-export protein SecB

Chain A: 70% 9% 20%

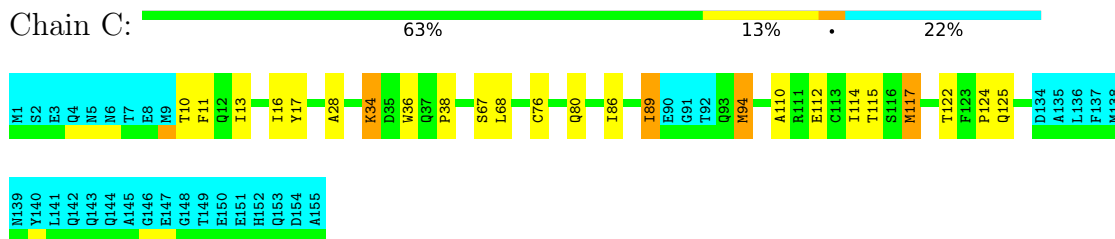


- Molecule 1: Protein-export protein SecB

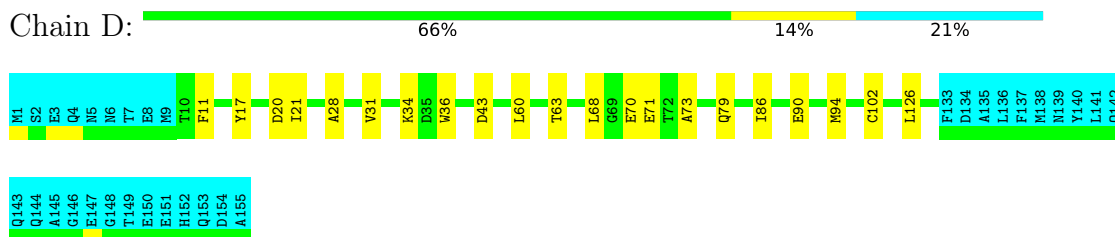
Chain B: 66% 12% 20%



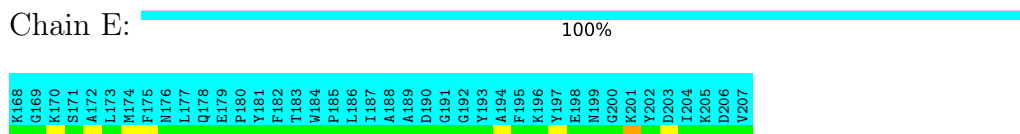
- Molecule 1: Protein-export protein SecB



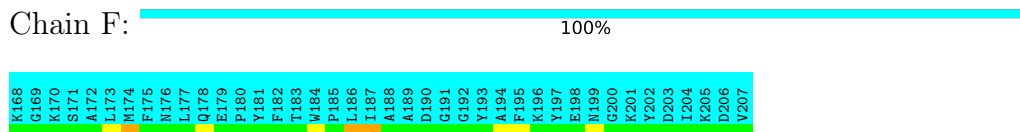
- Molecule 1: Protein-export protein SecB



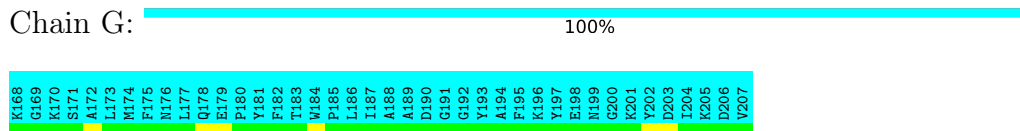
- Molecule 2: Maltose-binding periplasmic protein



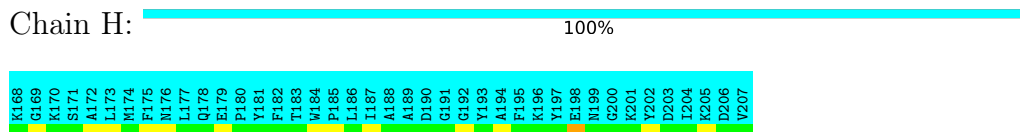
- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



- Molecule 2: Maltose-binding periplasmic protein



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

6.1 Standard geometry

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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	6±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	440

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: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

Continued on next page...

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:40:VAL:HG12	1:B:126:LEU:HD22	0.62	1.71	11	1
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:117:MET:HE3	1:D:21:ILE:HD13	0.58	1.75	17	3
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: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
1:A:113:CYS:SG	1:B:120:ARG:HD3	0.52	2.45	10	6
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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:11:PHE:HE1	1:C:102:CYS:HG	0.49	1.50	1	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: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
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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: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
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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:86:ILE:HD13	1:C:94:MET:HE3	0.44	1.87	2	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
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:C:117:MET:HE2	1:D:21:ILE:HG21	0.43	1.90	5	3
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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:D:34:LYS:HZ1	1:D:71:GLU:HB3	0.42	1.74	17	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: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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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:D:76:CYS:SG	1:D:117:MET:HE3	0.40	2.57	1	1
1:A:127:ASN:ND2	1:C:15:ARG:HA	0.40	2.32	18	1
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

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%)	50	82
1	C	121/155 (78%)	111±2 (92±2%)	10±2 (8±2%)	0±1 (0±0%)	44	80
1	D	123/155 (79%)	118±1 (96±1%)	5±1 (4±1%)	0±0 (0±0%)	54	85
2	E	0	-	-	-	-	-
2	F	0	-	-	-	-	-
2	G	0	-	-	-	-	-
2	H	0	-	-	-	-	-
All	All	9840/15600 (63%)	9233 (94%)	594 (6%)	13 (0%)	54	85

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
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%)	38 86
1	B	106/132 (80%)	101±2 (95±2%)	5±2 (5±2%)	29 78
1	C	104/132 (79%)	99±2 (95±2%)	5±2 (5±2%)	27 76
1	D	105/132 (80%)	101±1 (96±1%)	4±1 (4±1%)	36 84
2	E	0	-	-	-
2	F	0	-	-	-
2	G	0	-	-	-
2	H	0	-	-	-
All	All	8420/13120 (64%)	8052 (96%)	368 (4%)	32 81

All 95 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	C	117	MET	19
1	B	60	LEU	19
1	C	34	LYS	16
1	B	89	ILE	11
1	D	70	GLU	10
1	A	89	ILE	10
1	C	89	ILE	9
1	B	125	GLN	8
1	D	90	GLU	8
1	A	128	LEU	7
1	B	42	LEU	7
1	C	60	LEU	7
1	C	125	GLN	6
1	D	56	TYR	6
1	A	86	ILE	6
1	A	94	MET	6
1	D	89	ILE	6
1	B	112	GLU	6
1	C	86	ILE	6
1	C	126	LEU	5
1	B	86	ILE	5
1	D	86	ILE	5
1	C	112	GLU	5
1	B	12	GLN	4
1	C	98	LEU	4
1	B	39	GLU	4

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Mol	Chain	Res	Type	Models (Total)
1	C	42	LEU	4
1	C	33	GLN	4
1	B	90	GLU	4
1	A	61	ARG	3
1	B	126	LEU	3
1	B	70	GLU	3
1	C	41	LYS	3
1	C	93	GLN	3
1	D	36	TRP	3
1	A	56	TYR	3
1	B	94	MET	3
1	A	126	LEU	3
1	D	94	MET	3
1	C	56	TYR	3
1	B	128	LEU	3
1	C	19	LYS	3
1	B	98	LEU	3
1	B	33	GLN	2
1	A	30	HIS	2
1	D	41	LYS	2
1	A	70	GLU	2
1	A	93	GLN	2
1	B	36	TRP	2
1	B	56	TYR	2
1	B	127	ASN	2
1	B	37	GLN	2
1	C	13	ILE	2
1	D	17	TYR	2
1	A	90	GLU	2
1	D	31	VAL	2
1	D	128	LEU	2
1	A	12	GLN	2
1	A	14	GLN	2
1	C	27	ASN	2
1	D	16	ILE	2
1	D	126	LEU	2
1	B	30	HIS	1
1	B	41	LYS	1
1	D	93	GLN	1
1	C	11	PHE	1
1	C	71	GLU	1
1	A	34	LYS	1

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Mol	Chain	Res	Type	Models (Total)
1	A	122	THR	1
1	B	117	MET	1
1	D	130	PRO	1
1	D	34	LYS	1
1	C	37	GLN	1
1	D	39	GLU	1
1	B	54	ASP	1
1	A	13	ILE	1
1	C	132	ASN	1
1	D	13	ILE	1
1	B	44	LEU	1
1	B	104	ASN	1
1	A	127	ASN	1
1	C	44	LEU	1
1	D	132	ASN	1
1	C	104	ASN	1
1	B	11	PHE	1
1	C	54	ASP	1
1	D	74	PHE	1
1	A	132	ASN	1
1	B	118	VAL	1
1	B	74	PHE	1
1	A	112	GLU	1
1	B	13	ILE	1
1	C	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 monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation i

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 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

7.1.2 Chemical shift referencing i

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	139	0.25 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	128	0.85 ± 0.15	Should be checked
$^{13}\text{C}'$	137	0.29 ± 0.14	None needed (< 0.5 ppm)
^{15}N	133	-1.14 ± 0.23	Should be applied

7.1.3 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	^1H	^{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%)

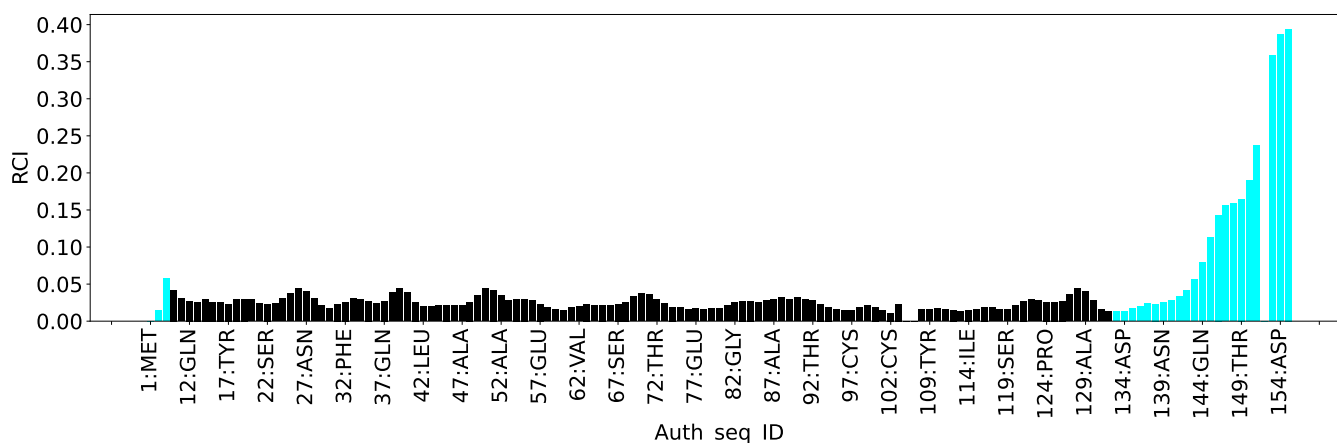
7.1.4 Statistically unusual chemical shifts [i](#)

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 [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

7.2.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	140	0.28 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	126	0.79 ± 0.23	Should be checked
$^{13}\text{C}'$	135	0.26 ± 0.08	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.30	Should be applied

7.2.3 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	^1H	^{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%)

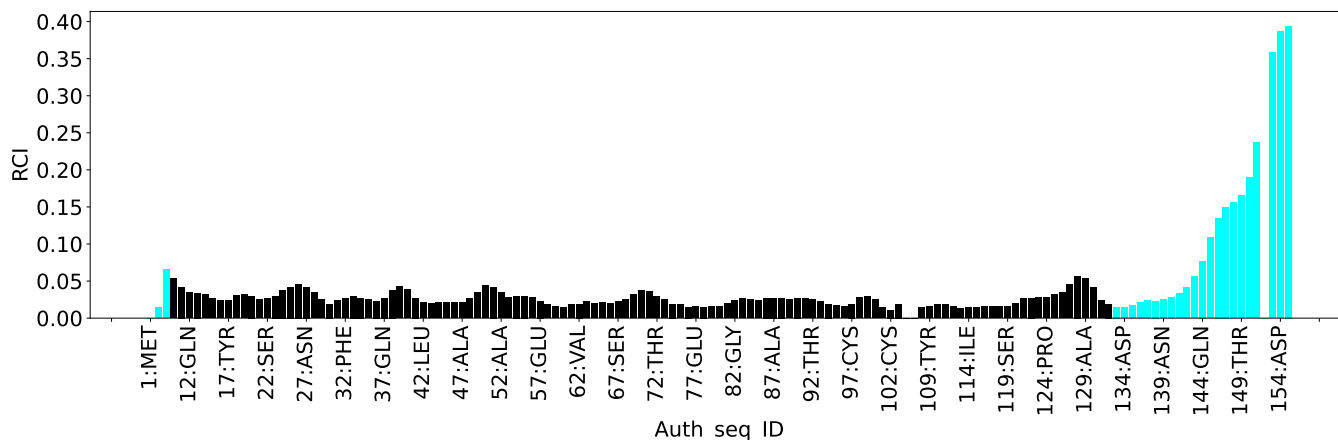
7.2.4 Statistically unusual chemical shifts [i](#)

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 \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	140	0.27 ± 0.08	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	126	0.78 ± 0.09	Should be checked
$^{13}\text{C}'$	135	0.26 ± 0.08	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.17	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	^1H	^{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	^1H	^{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%)

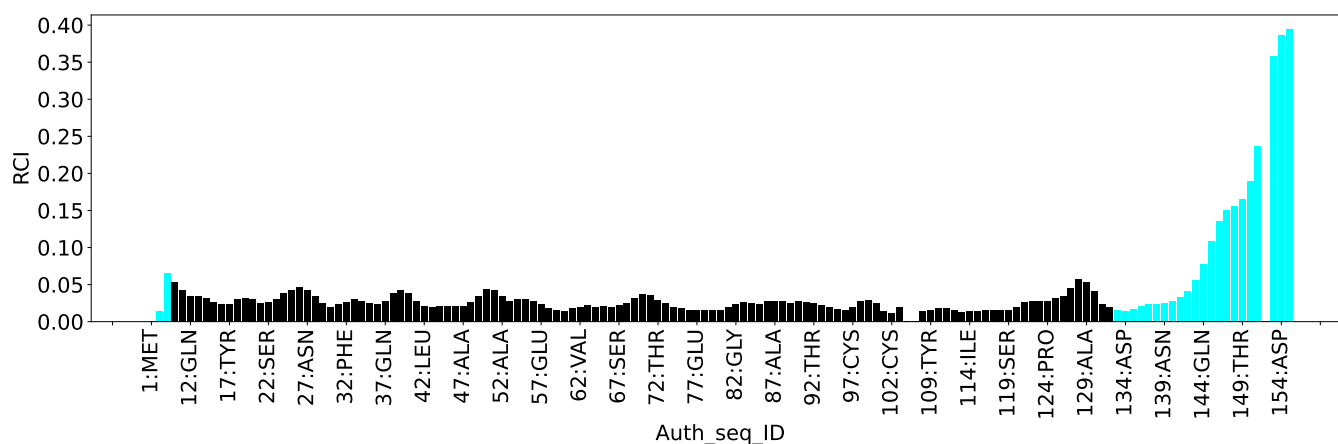
7.3.4 Statistically unusual chemical shifts [i](#)

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 \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	139	0.25 ± 0.11	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	128	0.86 ± 0.14	Should be checked
$^{13}\text{C}'$	137	0.28 ± 0.13	None needed (< 0.5 ppm)
^{15}N	133	-1.15 ± 0.30	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	^1H	^{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	^1H	^{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](#)

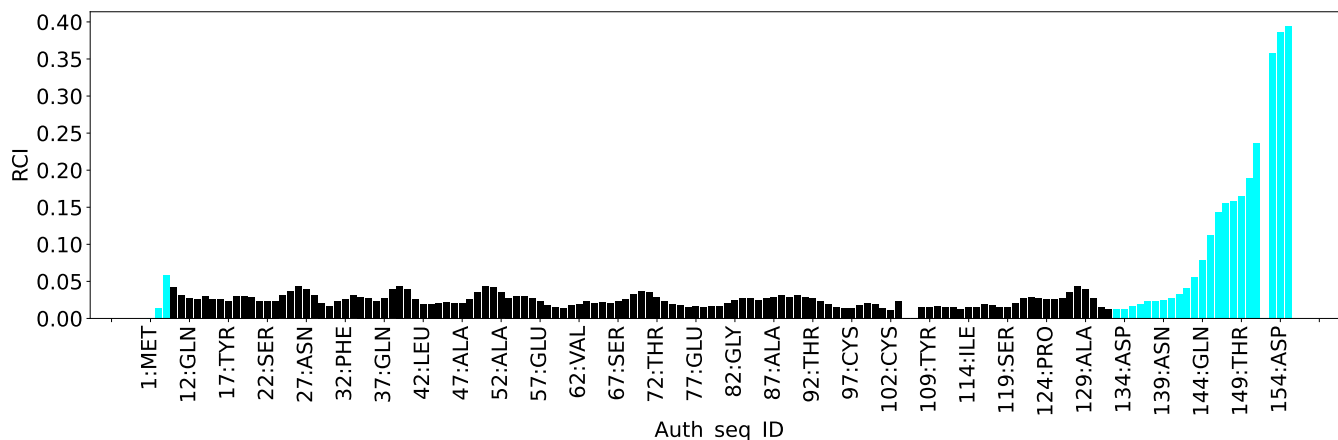
There are no statistically unusual chemical shifts.

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 [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	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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	40	-0.25 ± 0.07	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	36	0.43 ± 0.33	None needed (< 0.5 ppm)
$^{13}\text{C}'$	38	-0.24 ± 0.11	None needed (< 0.5 ppm)

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Nucleus	# values	Correction \pm precision, ppm	Suggested action
¹⁵ N	38	-0.73 \pm 0.27	Should be applied

7.5.3 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%)

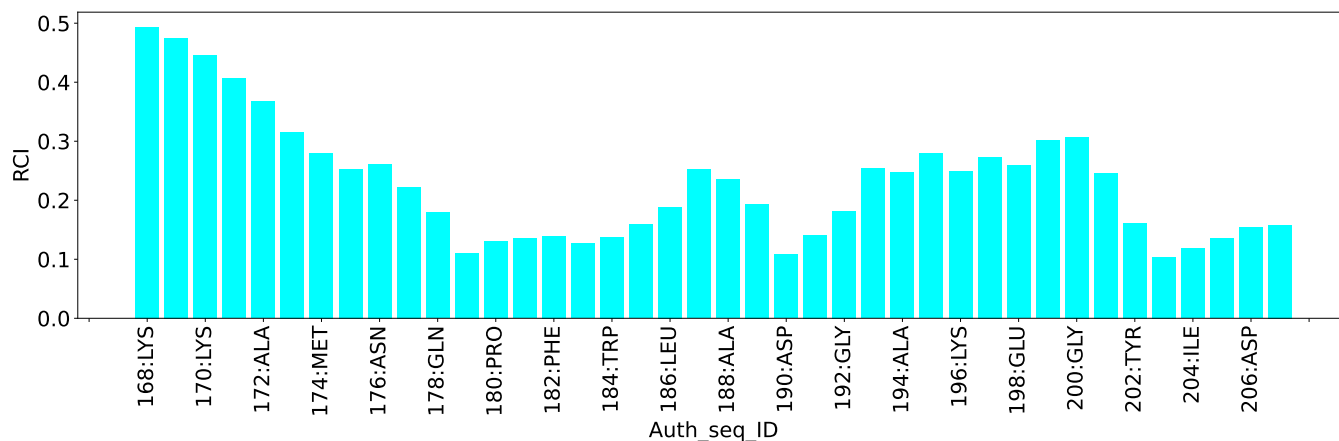
7.5.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.5.5 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:



7.6 Chemical shift list 6

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_6*

7.6.1 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	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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	40	-0.27 ± 0.20	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	36	0.47 ± 0.36	None needed (< 0.5 ppm)
$^{13}\text{C}'$	38	-0.24 ± 0.17	None needed (< 0.5 ppm)
^{15}N	38	-0.69 ± 0.47	None needed (imprecise)

7.6.3 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	¹H	¹³C	¹⁵N
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	¹H	¹³C	¹⁵N
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%)

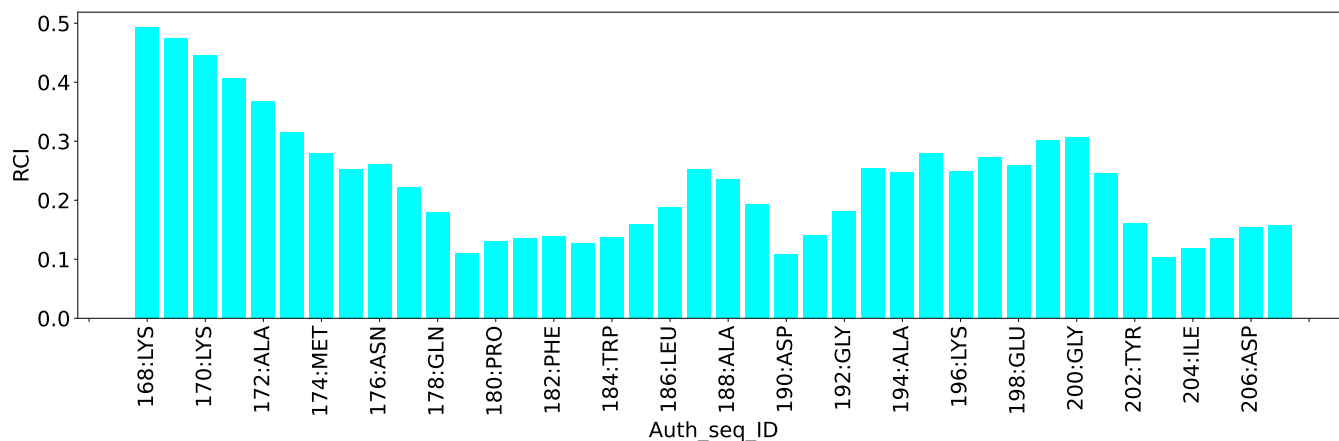
7.6.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.6.5 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:



7.7 Chemical shift list 7

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_7*

7.7.1 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	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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	40	-0.26 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	36	0.44 ± 0.29	None needed (< 0.5 ppm)
$^{13}\text{C}'$	38	-0.23 ± 0.10	None needed (< 0.5 ppm)
^{15}N	38	-0.73 ± 0.19	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	¹H	¹³C	¹⁵N
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	¹H	¹³C	¹⁵N
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%)

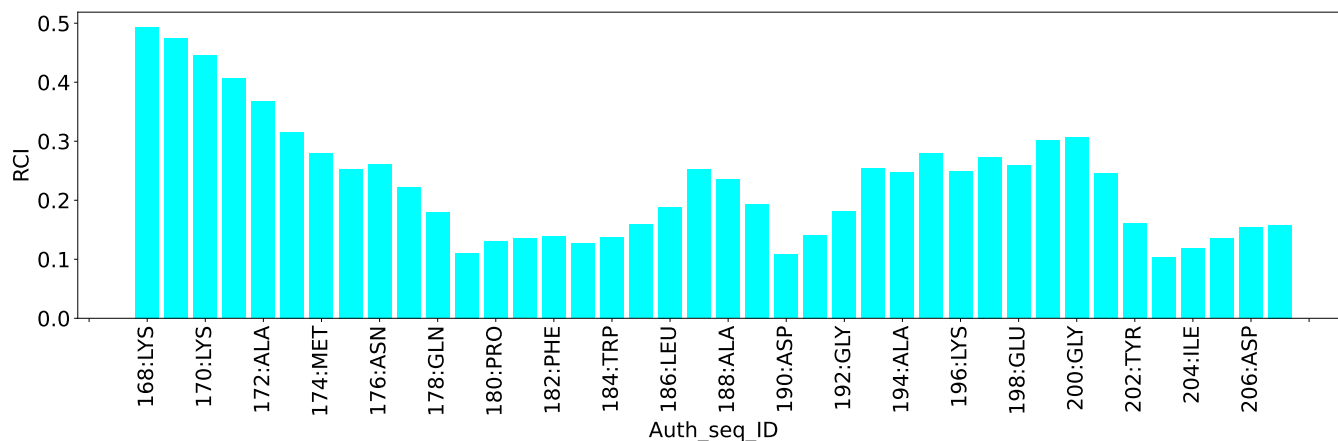
7.7.4 Statistically unusual chemical shifts [i](#)

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 [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	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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	40	-0.26 ± 0.16	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	36	0.44 ± 0.40	None needed (< 0.5 ppm)
$^{13}\text{C}'$	38	-0.23 ± 0.16	None needed (< 0.5 ppm)
^{15}N	38	-0.70 ± 0.36	None needed (imprecise)

7.8.3 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	¹H	¹³C	¹⁵N
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	¹H	¹³C	¹⁵N
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%)

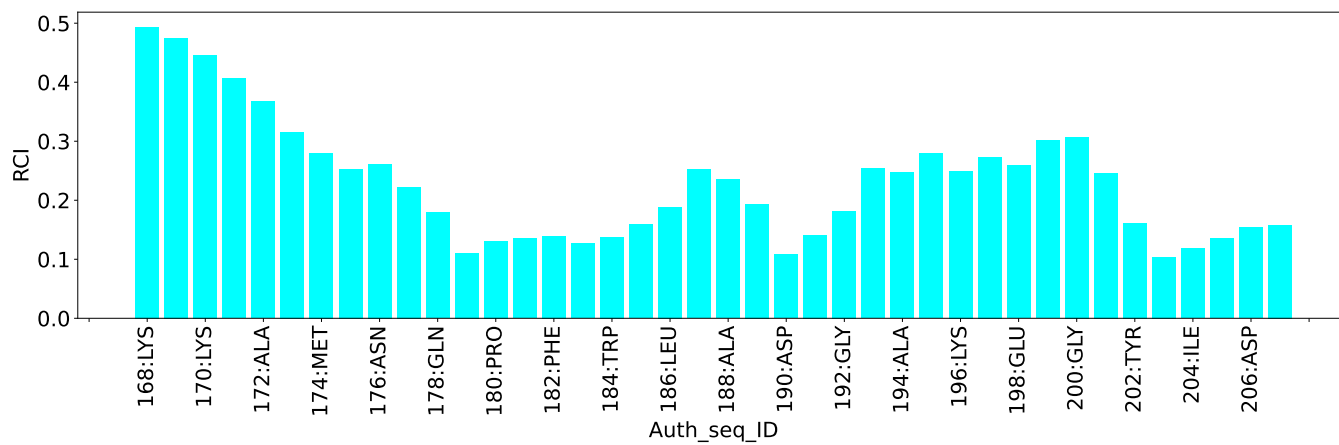
7.8.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.8.5 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:



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 \geq 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

¹Long 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)	109.7	10.0
10.0-20.0 (Medium)	0.3	13.0
>20.0 (Large)	None	None

9 Distance violation analysis

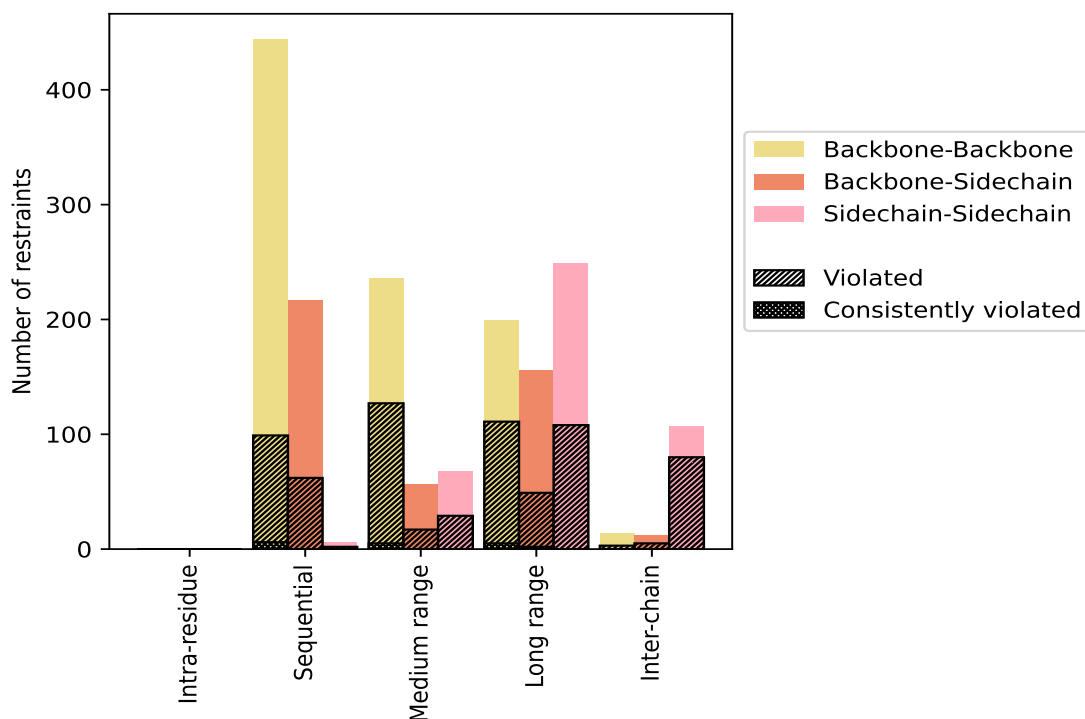
9.1 Summary of distance violations

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.

Restrains 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	163	24.4	9.2	6	0.9	0.3
Backbone-Backbone	444	25.2	99	22.3	5.6	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	173	48.1	9.8	5	1.4	0.3
Backbone-Backbone	236	13.4	127	53.8	7.2	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	29	42.6	1.6	0	0.0	0.0
Long range ($i-j \geq 5$)	604	34.2	268	44.4	15.2	7	1.2	0.4
Backbone-Backbone	199	11.3	111	55.8	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	108	43.4	6.1	0	0.0	0.0
Inter-chain	133	7.5	88	66.2	5.0	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	80	74.8	4.5	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	692	39.2	39.2	18	1.0	1.0
Backbone-Backbone	893	50.6	340	38.1	19.3	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	219	50.9	12.4	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 [i](#)



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

9.2 Distance violation statistics for each model [i](#)

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	56	65	108	16	245	0.77	7.6	1.08	0.35
2	0	55	69	90	17	231	0.61	4.88	0.69	0.32
3	0	66	71	93	20	250	0.71	6.78	0.99	0.36
4	0	65	65	83	16	229	0.67	5.75	0.86	0.31
5	0	52	72	90	13	227	0.67	5.4	0.83	0.32
6	0	61	67	92	20	240	0.72	4.67	0.82	0.4
7	0	59	56	108	17	240	0.8	6.24	0.97	0.4
8	0	63	65	90	18	236	0.66	5.37	0.77	0.34
9	0	52	48	54	16	170	0.35	2.09	0.3	0.25
10	0	61	59	89	15	224	0.61	6.34	0.76	0.33
11	0	61	54	98	16	229	0.73	6.78	0.92	0.35

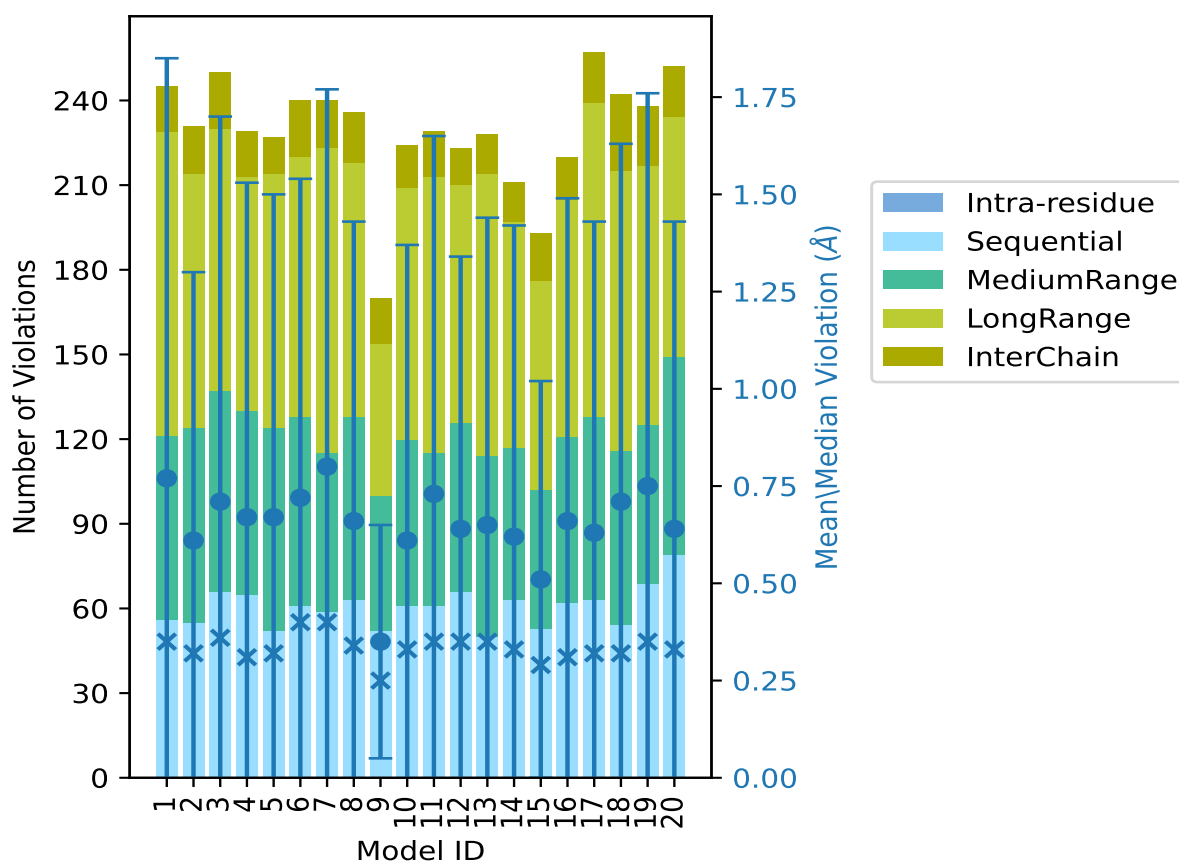
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
12	0	66	60	84	13	223	0.64	4.24	0.7	0.35
13	0	50	64	100	14	228	0.65	4.66	0.79	0.35
14	0	63	54	80	14	211	0.62	6.0	0.8	0.33
15	0	53	49	74	17	193	0.51	2.97	0.51	0.29
16	0	62	59	84	15	220	0.66	6.1	0.83	0.31
17	0	63	65	111	18	257	0.63	4.78	0.8	0.32
18	0	54	62	99	27	242	0.71	5.09	0.92	0.32
19	0	69	56	92	21	238	0.75	6.06	1.01	0.35
20	0	79	70	85	18	252	0.64	4.8	0.79	0.33

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

9.2.1 Bar graph : Distance Violation statistics for each model [\(i\)](#)



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

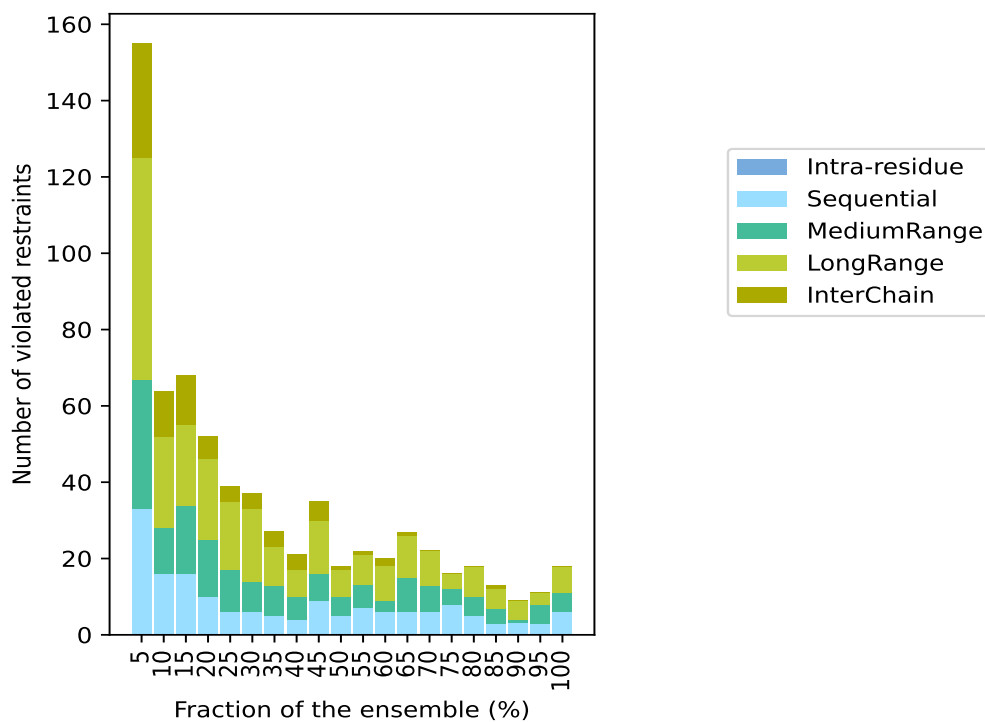
9.3 Distance violation statistics for the ensemble

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, 1072(IR:0, SQ:504, MR:187, LR:336, IC:45) 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	33	34	58	30	155	1	5.0
0	16	12	24	12	64	2	10.0
0	16	18	21	13	68	3	15.0
0	10	15	21	6	52	4	20.0
0	6	11	18	4	39	5	25.0
0	6	8	19	4	37	6	30.0
0	5	8	10	4	27	7	35.0
0	4	6	7	4	21	8	40.0
0	9	7	14	5	35	9	45.0
0	5	5	7	1	18	10	50.0
0	7	6	8	1	22	11	55.0
0	6	3	9	2	20	12	60.0
0	6	9	11	1	27	13	65.0
0	6	7	9	0	22	14	70.0
0	8	4	4	0	16	15	75.0
0	5	5	8	0	18	16	80.0
0	3	4	5	1	13	17	85.0
0	3	1	5	0	9	18	90.0
0	3	5	3	0	11	19	95.0
0	6	5	7	0	18	20	100.0

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

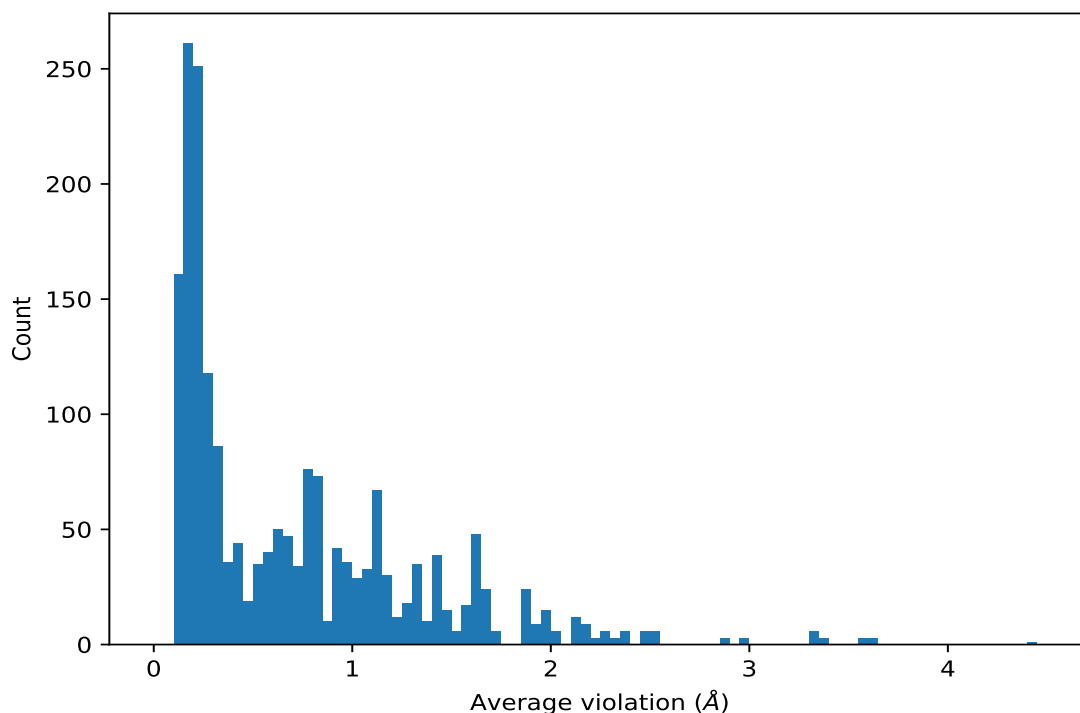
9.3.1 Bar graph : Distance violation statistics for the ensemble [\(i\)](#)



9.4 Most violated distance restraints in the ensemble [\(i\)](#)

9.4.1 Histogram : Distribution of mean distance violations [\(i\)](#)

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 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. 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:D:47:ALA:H	1:D:98:LEU:HD11	20	2.96	0.86	3.12
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	20	2.96	0.86	3.12
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	20	2.96	0.86	3.12
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	20	2.25	1.21	2.38
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	20	2.25	1.21	2.38
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	20	2.25	1.21	2.38
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	20	1.03	0.3	1.05
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	20	0.88	0.14	0.89
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	20	0.58	0.18	0.52
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	20	0.53	0.15	0.57
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	20	0.52	0.22	0.52
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	20	0.44	0.11	0.45
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	20	0.44	0.11	0.47
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	20	0.43	0.06	0.44
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	20	0.41	0.19	0.36
(1,1318)	1:D:20:ASP:H	1:D:79: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:A:98:LEU:H	1:A:100:ALA:H	20	0.35	0.13	0.31
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	20	0.35	0.08	0.34
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	20	0.3	0.07	0.3
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	20	0.29	0.09	0.28
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	20	0.28	0.07	0.3
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	20	0.26	0.07	0.24
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	19	2.32	2.23	1.04
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	19	2.24	1.35	1.82
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	19	2.24	1.35	1.82
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	19	2.24	1.35	1.82
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	19	1.29	0.15	1.29
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	19	1.29	0.15	1.29
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	19	1.29	0.15	1.29
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	19	1.18	0.76	1.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	19	1.18	0.76	1.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	19	1.18	0.76	1.13
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	19	0.63	0.19	0.6
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	19	0.46	0.16	0.48
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	19	0.45	0.13	0.46
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	19	0.35	0.16	0.31
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	19	0.22	0.06	0.21
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	19	0.22	0.05	0.22
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	19	0.18	0.04	0.18
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	18	1.1	0.7	1.04
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	18	0.76	0.44	0.73
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	18	0.72	0.43	0.7
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	18	0.69	0.37	0.63
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	18	0.69	0.37	0.63
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	18	0.53	0.31	0.48
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	18	0.34	0.16	0.37
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	18	0.31	0.15	0.24
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	18	0.24	0.06	0.25
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	18	0.19	0.05	0.2
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	17	1.73	1.13	1.27
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	17	1.73	1.13	1.27
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	17	1.73	1.13	1.27
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	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:B:64:VAL:HG13	1:B:126:LEU:HD11	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	17	1.44	1.18	0.86
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	17	1.44	1.18	0.86
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	17	1.32	0.54	1.21
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	17	1.32	0.54	1.21
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	17	1.32	0.54	1.21
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	17	1.15	0.45	1.03
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	17	1.15	0.45	1.03
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	17	1.15	0.45	1.03
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	17	1.1	0.51	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	17	1.1	0.51	1.17
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	17	0.98	0.45	0.92
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	17	0.98	0.45	0.92
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	17	0.84	0.42	0.87
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	17	0.84	0.42	0.87
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	17	0.55	0.27	0.53
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	17	0.35	0.09	0.38
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	17	0.34	0.12	0.35
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	17	0.29	0.1	0.3
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	17	0.26	0.11	0.24
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	17	0.21	0.08	0.18
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	16	3.57	2.54	4.49
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	16	3.57	2.54	4.49
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	16	3.57	2.54	4.49
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	16	3.31	1.38	3.32
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	16	3.31	1.38	3.32
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	16	3.31	1.38	3.32
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	16	3.31	1.38	3.32
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	16	3.31	1.38	3.32
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	16	3.31	1.38	3.32
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	16	1.44	0.73	1.43
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	16	1.44	0.73	1.43
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	16	1.44	0.73	1.43
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	16	1.18	0.77	0.98
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	16	1.18	0.77	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	16	1.18	0.77	0.98
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	16	0.79	0.35	0.8
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	16	0.79	0.35	0.8
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	16	0.79	0.35	0.8
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	16	0.66	0.39	0.66
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	16	0.66	0.39	0.66
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	16	0.66	0.39	0.66
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	16	0.49	0.14	0.52
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	16	0.49	0.14	0.52
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	16	0.42	0.13	0.44
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	16	0.41	0.19	0.38
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	16	0.38	0.1	0.35
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	16	0.35	0.08	0.34
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	16	0.35	0.08	0.34
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	16	0.35	0.12	0.3
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	16	0.31	0.11	0.29
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	16	0.3	0.22	0.2
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	16	0.3	0.12	0.28
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	16	0.26	0.1	0.26
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	16	0.24	0.05	0.24
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	16	0.22	0.03	0.22
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	15	2.1	0.75	2.33
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	15	2.1	0.75	2.33
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	15	2.1	0.75	2.33
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	15	1.23	0.69	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	15	1.23	0.69	1.38
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	15	1.08	0.65	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	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)
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	15	0.92	0.36	0.94
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	15	0.44	0.16	0.43
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	15	0.44	0.16	0.43
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	15	0.43	0.24	0.38
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	15	0.42	0.12	0.45
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	15	0.38	0.23	0.34
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	15	0.33	0.11	0.32
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	15	0.29	0.09	0.28
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	15	0.29	0.14	0.27
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	15	0.24	0.07	0.25
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	15	0.23	0.07	0.24
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	15	0.23	0.06	0.23
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	15	0.21	0.07	0.19
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	15	0.18	0.06	0.18
(1,957)	1:C:31:VAL:HG21	1:C:36:TRP:HE1	14	3.6	2.07	4.24
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	14	3.6	2.07	4.24
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	14	3.6	2.07	4.24
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	14	2.52	1.22	2.0
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	14	2.52	1.22	2.0
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	14	2.52	1.22	2.0
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	14	2.52	1.22	2.0
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	14	2.35	0.97	2.64
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	14	2.35	0.97	2.64
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	14	2.35	0.97	2.64
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	14	2.35	0.97	2.64
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	14	1.29	0.74	1.26
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	14	1.29	0.74	1.26
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	14	1.29	0.74	1.26
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	14	1.29	0.74	1.26
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	14	1.29	0.74	1.26
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	14	1.29	0.74	1.26
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	14	1.24	0.93	1.02
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	14	1.24	0.93	1.02
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	14	1.24	0.93	1.02
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	14	0.95	0.64	0.72
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	14	0.95	0.64	0.72
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	14	0.82	0.56	0.58
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	14	0.82	0.56	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	14	0.82	0.56	0.58
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	14	0.52	0.23	0.44
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	14	0.52	0.23	0.44
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	14	0.52	0.23	0.44
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	14	0.5	0.23	0.4
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	14	0.49	0.22	0.47
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	14	0.39	0.17	0.36
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	14	0.39	0.19	0.38
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	14	0.34	0.17	0.29
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	14	0.28	0.07	0.29
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	14	0.28	0.06	0.3
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	14	0.26	0.1	0.32
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	14	0.26	0.1	0.32
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	14	0.26	0.12	0.22
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	14	0.24	0.12	0.22
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	14	0.24	0.1	0.24
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	14	0.21	0.06	0.19
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	14	0.21	0.06	0.21
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	14	0.2	0.05	0.19
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	13	1.97	1.03	2.09
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	13	1.97	1.03	2.09
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	13	1.97	1.03	2.09
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	13	1.97	1.03	2.09
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	13	1.69	1.05	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	13	1.69	1.05	1.45
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	13	1.6	0.64	1.67
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	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:B:44:LEU:HD23	1:B:131:VAL:HG13	13	1.6	0.64	1.67
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	13	1.34	0.48	1.32
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	13	1.34	0.48	1.32
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	13	1.34	0.48	1.32
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	13	1.14	0.92	0.8
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	13	1.14	0.92	0.8
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	13	1.14	0.92	0.8
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	13	1.02	0.62	0.95
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	13	0.74	0.47	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	13	0.74	0.47	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	13	0.74	0.47	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	13	0.74	0.47	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	13	0.74	0.47	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	13	0.74	0.47	0.79
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	13	0.72	0.34	0.7
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	13	0.72	0.34	0.7
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	13	0.72	0.34	0.7
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	13	0.71	0.31	0.74
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	13	0.71	0.31	0.74
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	13	0.71	0.31	0.74
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	13	0.64	0.13	0.66
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	13	0.59	0.28	0.63
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	13	0.59	0.28	0.63
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	13	0.57	0.4	0.34
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	13	0.42	0.16	0.47
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	13	0.38	0.13	0.41
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	13	0.34	0.13	0.36
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	13	0.31	0.18	0.26
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	13	0.29	0.08	0.28
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	13	0.28	0.12	0.25
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	13	0.28	0.1	0.27
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	13	0.27	0.17	0.21
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	13	0.25	0.06	0.23
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	13	0.25	0.09	0.23
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	13	0.22	0.06	0.23
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	13	0.21	0.08	0.19
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	13	0.2	0.07	0.18
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	13	0.18	0.05	0.17
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	13	0.17	0.05	0.16
(1,21)	1:A:13:ILE:HD11	1:A:83:ILE:H	12	3.38	0.58	3.66
(1,21)	1:A:13:ILE:HD12	1:A:83:ILE:H	12	3.38	0.58	3.66
(1,21)	1:A:13:ILE:HD13	1:A:83:ILE:H	12	3.38	0.58	3.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	12	2.88	2.03	2.56
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	12	2.88	2.03	2.56
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	12	2.88	2.03	2.56
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	12	2.29	0.37	2.41
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	12	2.29	0.37	2.41
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	12	2.29	0.37	2.41
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	12	2.18	1.21	2.2
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	12	2.18	1.21	2.2
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	12	1.55	1.01	1.4
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	12	1.55	1.01	1.4
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	12	1.55	1.01	1.4
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	12	1.55	1.01	1.4
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	12	1.41	0.18	1.46
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	12	1.41	0.18	1.46
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	12	1.41	0.18	1.46
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	12	1.2	0.66	1.46
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	12	1.2	0.66	1.46
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	12	1.2	0.66	1.46
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	12	1.14	0.58	1.11
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	12	1.14	0.58	1.11
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	12	1.14	0.58	1.11
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	12	1.11	0.5	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	12	1.11	0.5	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	12	1.11	0.5	1.22
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	12	0.85	0.62	1.03
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	12	0.85	0.62	1.03
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	12	0.61	0.32	0.6
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	12	0.61	0.32	0.6
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	12	0.61	0.32	0.6
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	12	0.61	0.32	0.6
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	12	0.61	0.32	0.6
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	12	0.61	0.32	0.6
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	12	0.37	0.21	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	12	0.35	0.15	0.33
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	12	0.35	0.15	0.33
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	12	0.35	0.15	0.33
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	12	0.25	0.06	0.25
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	12	0.23	0.14	0.2
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	12	0.2	0.09	0.17
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	12	0.2	0.09	0.17
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	12	0.19	0.08	0.16
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	12	0.15	0.03	0.16
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	12	0.13	0.01	0.13
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	11	2.45	0.67	2.63
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE2	11	2.45	0.67	2.63
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE1	11	2.45	0.67	2.63
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE2	11	2.45	0.67	2.63
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	11	2.11	0.81	2.34
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	11	2.11	0.81	2.34
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	11	1.96	1.17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	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)
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	11	1.88	1.47	1.56
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	11	1.88	1.47	1.56
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	11	1.68	0.86	1.45
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	11	1.68	0.86	1.45
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	11	1.37	0.3	1.35
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	11	1.37	0.3	1.35
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	11	1.37	0.3	1.35
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	11	1.3	0.69	1.1
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	11	1.3	0.69	1.1
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	11	1.1	0.86	0.92
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	11	1.1	0.86	0.92
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	11	1.1	0.86	0.92
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	11	1.1	0.86	0.92
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	11	1.02	0.56	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	11	1.02	0.56	0.84
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	11	0.8	0.26	0.77
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	11	0.8	0.26	0.77
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	11	0.8	0.26	0.77
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	11	0.67	0.22	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	11	0.67	0.22	0.62
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	11	0.67	0.22	0.62
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	11	0.64	0.23	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	11	0.64	0.23	0.6
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	11	0.6	0.36	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	11	0.6	0.36	0.66
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	11	0.58	0.43	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	11	0.58	0.43	0.62
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	11	0.42	0.28	0.31
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	11	0.36	0.17	0.32
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	11	0.31	0.08	0.3
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	11	0.31	0.08	0.3
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	11	0.31	0.08	0.3
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	11	0.27	0.07	0.26
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	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:A:89:ILE:HD13	2:G:172:ALA:HB3	11	0.27	0.07	0.26
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	11	0.27	0.08	0.27
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	11	0.27	0.08	0.27
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	11	0.26	0.11	0.24
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	11	0.22	0.09	0.2
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	11	0.18	0.05	0.17
(1,965)	1:C:34:LYS:H	1:C:36:TRP:HE1	10	4.44	1.29	4.61
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	10	2.32	1.42	3.17
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	10	2.32	1.42	3.17
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	10	1.58	1.51	0.52
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	10	1.58	1.51	0.52
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	10	1.57	1.04	1.28
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	10	1.57	1.04	1.28
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	10	1.49	0.58	1.42
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	10	1.49	0.58	1.42
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	10	1.1	0.67	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	10	1.1	0.67	1.1
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	10	1.06	0.51	0.9
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	10	1.06	0.51	0.9
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	10	1.06	0.51	0.9
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	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:D:137:PHE:HD2	1:D:141:LEU:HD22	10	1.06	0.51	0.9
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	10	1.06	0.51	0.9
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	10	0.96	0.58	1.04
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	10	0.72	0.37	0.62
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	10	0.72	0.37	0.62
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	10	0.67	0.73	0.44
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	10	0.67	0.73	0.44
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	10	0.61	0.31	0.62
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	10	0.61	0.31	0.62
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	10	0.61	0.31	0.62
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	10	0.5	0.28	0.46
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	10	0.5	0.28	0.46
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	10	0.5	0.28	0.46
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	10	0.43	0.17	0.47
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	10	0.33	0.14	0.36
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	10	0.24	0.07	0.24
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	10	0.24	0.12	0.22
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	10	0.24	0.12	0.22
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	10	0.22	0.08	0.21
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	10	0.12	0.02	0.12
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	9	1.92	0.82	1.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	9	1.92	0.82	1.77
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	9	1.92	0.82	1.77
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	9	1.89	1.2	1.59
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	9	1.89	1.2	1.59
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	9	1.89	1.2	1.59
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	9	1.89	1.2	1.59
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	9	1.89	1.2	1.59
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	9	1.89	1.2	1.59
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	9	1.65	1.0	1.4
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	9	1.65	1.0	1.4
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	9	1.65	1.0	1.4
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	9	1.64	0.97	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	9	1.64	0.97	1.25
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	9	1.62	0.86	1.25
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	9	1.62	0.86	1.25
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	9	1.62	0.86	1.25
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	9	1.62	0.86	1.25
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	9	1.62	0.78	1.33
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	9	1.62	0.78	1.33
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	9	1.62	0.78	1.33
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	9	1.52	0.76	1.62
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	9	1.52	0.76	1.62
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	9	1.52	0.76	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	9	1.52	0.76	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	9	1.52	0.76	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	9	1.52	0.76	1.62
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	9	1.42	0.79	1.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	9	1.42	0.79	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	9	1.42	0.79	1.47
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	9	1.34	0.73	1.42
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	9	1.34	0.73	1.42
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	9	1.34	0.73	1.42
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	9	1.34	0.73	1.42
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	9	1.29	0.56	1.38
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	9	1.29	0.56	1.38
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	9	1.29	0.56	1.38
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	9	1.29	0.56	1.38
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	9	1.29	0.56	1.38
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	9	1.29	0.56	1.38
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	9	1.12	0.65	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	9	1.12	0.65	0.95
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	9	1.08	0.56	1.22
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	9	1.08	0.56	1.22
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	9	1.08	0.56	1.22
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	9	0.9	0.69	0.84
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	9	0.9	0.69	0.84
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	9	0.9	0.69	0.84
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	9	0.73	0.55	0.53
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	9	0.73	0.55	0.53
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	9	0.73	0.55	0.53
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	9	0.52	0.35	0.38
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	9	0.34	0.12	0.34
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	9	0.34	0.12	0.34
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	9	0.34	0.12	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	9	0.29	0.14	0.24
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	9	0.29	0.14	0.24
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	9	0.29	0.14	0.24
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	9	0.29	0.06	0.32
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	9	0.28	0.13	0.22
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	9	0.28	0.13	0.22
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	9	0.27	0.11	0.3
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	9	0.27	0.11	0.3
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	9	0.27	0.11	0.3
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	9	0.27	0.16	0.2
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	9	0.27	0.11	0.2
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	9	0.24	0.1	0.2
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	9	0.24	0.06	0.24
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	9	0.24	0.15	0.21
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	9	0.22	0.06	0.2
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	9	0.22	0.06	0.2
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	9	0.21	0.07	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	9	0.21	0.07	0.19
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	9	0.2	0.07	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	9	0.2	0.07	0.17
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	9	0.19	0.05	0.2
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	9	0.17	0.04	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	9	0.17	0.04	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	9	0.17	0.04	0.17
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	9	0.17	0.05	0.15
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	9	0.16	0.04	0.14
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	9	0.16	0.04	0.14
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	9	0.14	0.02	0.14
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	9	0.13	0.03	0.12
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	8	1.85	0.59	1.88
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	8	1.85	0.59	1.88
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	8	1.1	0.87	0.79
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	8	1.1	0.87	0.79
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	8	0.94	0.35	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	8	0.94	0.35	0.9
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	8	0.75	0.5	0.73
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	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:A:42:LEU:HD13	1:A:128:LEU:HD13	8	0.75	0.5	0.73
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	8	0.72	0.44	0.55
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	8	0.72	0.44	0.55
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	8	0.72	0.44	0.55
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	8	0.72	0.44	0.55
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	8	0.6	0.26	0.58
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	8	0.6	0.26	0.58
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	8	0.41	0.18	0.4
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	8	0.41	0.18	0.4
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	8	0.41	0.18	0.4
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	8	0.31	0.12	0.23
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	8	0.31	0.2	0.27
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	8	0.27	0.17	0.24
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	8	0.26	0.2	0.2
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	8	0.26	0.2	0.2
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	8	0.25	0.07	0.26
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	8	0.21	0.1	0.18
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	8	0.21	0.1	0.18
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	8	0.21	0.03	0.2
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	8	0.2	0.07	0.17
(1,317)	1:A:92:THR:H	1:A:94:MET:H	8	0.2	0.06	0.2
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	8	0.18	0.06	0.16
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	8	0.17	0.05	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	8	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	8	0.16	0.04	0.16
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	8	0.16	0.04	0.16
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE3	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE3	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE1	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE2	8	0.16	0.04	0.15
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE3	8	0.16	0.04	0.15
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	7	1.47	0.72	1.09
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	7	1.47	0.72	1.09
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	7	1.47	0.72	1.09
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	7	1.47	0.72	1.09
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	7	1.43	0.65	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	7	1.43	0.65	1.5
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	7	1.41	0.72	1.58
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	7	1.41	0.72	1.58
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	7	1.41	0.72	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	7	1.41	0.72	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	7	1.41	0.72	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	7	1.41	0.72	1.58
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	7	1.39	0.47	1.3
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	7	1.31	0.53	1.4
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	7	1.31	0.53	1.4
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	7	1.31	0.53	1.4
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	7	1.18	0.6	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	7	1.18	0.6	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	7	1.18	0.6	1.12
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	7	1.07	0.67	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	7	1.07	0.67	0.65
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	7	1.0	0.83	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	7	1.0	0.83	0.78
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	7	0.99	0.4	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	7	0.99	0.4	1.0
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	7	0.84	0.48	1.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	7	0.84	0.48	1.07
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	7	0.84	0.48	1.07
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	7	0.84	0.56	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	7	0.84	0.56	0.68
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	7	0.79	0.48	0.64
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	7	0.79	0.48	0.64
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	7	0.79	0.48	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	7	0.79	0.48	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	7	0.79	0.48	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	7	0.79	0.48	0.64
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	7	0.61	0.24	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	7	0.61	0.24	0.65
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	7	0.38	0.13	0.44
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	7	0.32	0.08	0.34
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	7	0.32	0.19	0.22
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	7	0.26	0.09	0.25
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	7	0.24	0.06	0.25
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	7	0.23	0.08	0.23
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	7	0.23	0.08	0.23
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	7	0.22	0.07	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	7	0.22	0.07	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	7	0.22	0.08	0.21
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	7	0.21	0.06	0.21
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE3	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE3	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE1	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE2	7	0.19	0.05	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE3	7	0.19	0.05	0.17
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	7	0.17	0.1	0.12
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	7	0.16	0.03	0.15
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	7	0.15	0.04	0.13
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	7	0.15	0.04	0.13
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	7	0.15	0.04	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	7	0.15	0.04	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	7	0.15	0.04	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	7	0.15	0.04	0.13
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	7	0.14	0.01	0.14
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	7	0.14	0.01	0.14
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	6	2.0	0.72	2.24
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	6	2.0	0.72	2.24
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	6	2.0	0.72	2.24
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	6	2.0	0.72	2.24
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	6	1.66	0.46	1.7
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	6	1.66	0.46	1.7
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE3	6	1.66	0.46	1.7
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE1	6	1.66	0.46	1.7
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE2	6	1.66	0.46	1.7
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE3	6	1.66	0.46	1.7
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD13	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD13	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD11	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD12	6	1.63	0.91	1.68
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD13	6	1.63	0.91	1.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD21	6	1.38	0.89	1.02
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD22	6	1.38	0.89	1.02
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD23	6	1.38	0.89	1.02
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD21	6	1.38	0.89	1.02
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD22	6	1.38	0.89	1.02
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD23	6	1.38	0.89	1.02
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	6	1.19	0.84	0.98
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	6	1.19	0.84	0.98
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD1	6	1.12	0.83	0.96
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD2	6	1.12	0.83	0.96
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD1	6	1.12	0.83	0.96
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD2	6	1.12	0.83	0.96
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD1	6	1.12	0.83	0.96
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD2	6	1.12	0.83	0.96
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	6	1.09	0.62	1.08
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	6	1.09	0.62	1.08
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	6	1.09	0.62	1.08
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	6	1.09	0.62	1.08
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	6	1.09	0.62	1.08
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	6	1.09	0.62	1.08
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	6	0.84	0.69	0.52
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	6	0.84	0.69	0.52
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	6	0.79	0.37	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	6	0.79	0.37	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	6	0.79	0.37	0.88
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	6	0.59	0.2	0.57
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	6	0.59	0.2	0.57
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	6	0.59	0.2	0.57
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	6	0.56	0.22	0.64
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	6	0.56	0.22	0.64
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	6	0.56	0.22	0.64
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	6	0.56	0.22	0.64
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	6	0.56	0.22	0.64
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	6	0.56	0.22	0.64
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	6	0.5	0.23	0.42
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	6	0.49	0.09	0.52
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	6	0.43	0.15	0.48
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	6	0.41	0.13	0.37
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	6	0.38	0.17	0.4
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	6	0.38	0.32	0.22
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	6	0.38	0.32	0.22
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	6	0.36	0.11	0.34
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	6	0.36	0.11	0.34
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	6	0.34	0.28	0.24
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	6	0.34	0.28	0.24
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	6	0.31	0.18	0.24
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	6	0.27	0.06	0.26
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	6	0.26	0.13	0.22
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	6	0.24	0.09	0.2
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	6	0.24	0.12	0.22
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	6	0.24	0.04	0.23
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	6	0.24	0.04	0.23
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	6	0.24	0.04	0.23
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	6	0.22	0.06	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	6	0.22	0.06	0.24
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	6	0.22	0.06	0.24
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	6	0.22	0.1	0.18
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	6	0.22	0.09	0.19
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	6	0.22	0.09	0.19
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	6	0.2	0.09	0.18
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	6	0.18	0.02	0.17
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	6	0.18	0.04	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	6	0.17	0.02	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	6	0.17	0.02	0.18
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	6	0.17	0.06	0.13
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	6	0.17	0.06	0.13
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	6	0.16	0.05	0.16
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	6	0.16	0.04	0.15
(1,395)	1:A:122:THR:H	1:B:18:THR:H	6	0.16	0.03	0.16
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE1	5	1.3	1.2	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE3	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE1	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE3	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE1	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE2	5	1.3	1.2	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE3	5	1.3	1.2	0.96
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	5	0.95	0.35	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	5	0.95	0.35	0.71
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	5	0.88	0.43	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	5	0.88	0.43	0.98
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	5	0.7	0.06	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	5	0.7	0.06	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	5	0.7	0.06	0.7
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	5	0.65	0.54	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	5	0.65	0.54	0.37
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	5	0.64	0.43	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	5	0.64	0.43	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	5	0.64	0.43	0.59
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	5	0.63	0.27	0.68
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	5	0.63	0.27	0.68
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	5	0.63	0.27	0.68
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	5	0.54	0.31	0.53
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	5	0.35	0.13	0.42
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	5	0.35	0.2	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	5	0.35	0.2	0.33
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	5	0.33	0.23	0.23
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	5	0.29	0.15	0.26
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	5	0.29	0.15	0.26
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	5	0.29	0.15	0.26
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	5	0.29	0.15	0.26
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	5	0.29	0.14	0.24
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	5	0.27	0.09	0.25
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	5	0.26	0.12	0.26
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB3	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	5	0.25	0.09	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	5	0.25	0.09	0.22
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	5	0.24	0.1	0.25
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	5	0.24	0.12	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	5	0.24	0.12	0.24
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	5	0.24	0.12	0.24
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	5	0.24	0.11	0.18
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	5	0.24	0.14	0.18
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	5	0.23	0.15	0.14
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	5	0.22	0.07	0.22
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	5	0.22	0.07	0.22
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	5	0.22	0.07	0.22
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	5	0.22	0.07	0.22
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	5	0.21	0.1	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	5	0.21	0.1	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	5	0.21	0.09	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	5	0.21	0.09	0.16
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	5	0.21	0.14	0.15
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	5	0.19	0.04	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	5	0.19	0.09	0.15
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	5	0.19	0.03	0.19
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE1	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE2	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE3	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE1	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE2	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE3	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE1	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE2	5	0.18	0.05	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE3	5	0.18	0.05	0.17
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	5	0.18	0.08	0.16
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	5	0.18	0.05	0.19
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	5	0.17	0.05	0.15
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	5	0.17	0.04	0.19
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	5	0.17	0.05	0.15
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	5	0.17	0.05	0.15
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	5	0.16	0.04	0.14
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	5	0.16	0.04	0.14
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	5	0.16	0.04	0.14
(1,814)	1:B:116:SER:H	1:B:117:MET:H	5	0.15	0.04	0.13
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	5	0.15	0.03	0.14
(1,1387)	1:D:44:LEU:HD11	1:D:45:ASP:H	4	1.74	0.13	1.76
(1,1387)	1:D:44:LEU:HD12	1:D:45:ASP:H	4	1.74	0.13	1.76
(1,1387)	1:D:44:LEU:HD13	1:D:45:ASP:H	4	1.74	0.13	1.76
(1,886)	1:C:13:ILE:HD11	1:C:15:ARG:H	4	1.27	0.48	1.08
(1,886)	1:C:13:ILE:HD12	1:C:15:ARG:H	4	1.27	0.48	1.08
(1,886)	1:C:13:ILE:HD13	1:C:15:ARG:H	4	1.27	0.48	1.08
(1,888)	1:C:13:ILE:HD11	1:C:83:ILE:H	4	1.2	0.29	1.15
(1,888)	1:C:13:ILE:HD12	1:C:83:ILE:H	4	1.2	0.29	1.15
(1,888)	1:C:13:ILE:HD13	1:C:83:ILE:H	4	1.2	0.29	1.15
(1,885)	1:C:13:ILE:HD11	1:C:14:GLN:H	4	0.99	0.32	0.83
(1,885)	1:C:13:ILE:HD12	1:C:14:GLN:H	4	0.99	0.32	0.83
(1,885)	1:C:13:ILE:HD13	1:C:14:GLN:H	4	0.99	0.32	0.83
(1,513)	1:B:31:VAL:HG11	1:B:32:PHE:H	4	0.96	0.1	1.0
(1,513)	1:B:31:VAL:HG12	1:B:32:PHE:H	4	0.96	0.1	1.0
(1,513)	1:B:31:VAL:HG13	1:B:32:PHE:H	4	0.96	0.1	1.0
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD22	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD23	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD22	4	0.92	1.02	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD23	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD21	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD22	4	0.92	1.02	0.44
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD23	4	0.92	1.02	0.44
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD13	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD13	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD11	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD12	4	0.84	0.55	0.79
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD13	4	0.84	0.55	0.79
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD23	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD23	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD21	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD22	4	0.82	0.5	0.87
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD23	4	0.82	0.5	0.87
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD13	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD13	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD11	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD12	4	0.82	0.34	0.8
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD13	4	0.82	0.34	0.8
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD11	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD12	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD13	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD11	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD12	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD13	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD11	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD12	4	0.78	0.88	0.34
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD13	4	0.78	0.88	0.34
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD21	4	0.78	0.4	0.79
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD22	4	0.78	0.4	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD23	4	0.78	0.4	0.79
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD21	4	0.78	0.4	0.79
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD22	4	0.78	0.4	0.79
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD23	4	0.78	0.4	0.79
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE3	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE3	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE1	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE2	4	0.77	0.49	0.82
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE3	4	0.77	0.49	0.82
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD23	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD23	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD21	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD22	4	0.75	0.29	0.81
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD23	4	0.75	0.29	0.81
(1,852)	1:B:135:ALA:HB1	1:D:13:ILE:H	4	0.73	0.46	0.64
(1,852)	1:B:135:ALA:HB2	1:D:13:ILE:H	4	0.73	0.46	0.64
(1,852)	1:B:135:ALA:HB3	1:D:13:ILE:H	4	0.73	0.46	0.64
(1,1659)	1:D:136:LEU:H	1:D:139:ASN:H	4	0.42	0.27	0.36
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD13	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD13	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD11	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD12	4	0.41	0.18	0.4
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD13	4	0.41	0.18	0.4
(1,518)	1:B:32:PHE:HD1	1:B:33:GLN:H	4	0.36	0.08	0.35
(1,518)	1:B:32:PHE:HD2	1:B:33:GLN:H	4	0.36	0.08	0.35
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE1	4	0.35	0.2	0.33
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE2	4	0.35	0.2	0.33
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE3	4	0.35	0.2	0.33
(1,454)	1:B:13:ILE:HD11	1:B:14:GLN:H	4	0.33	0.12	0.36
(1,454)	1:B:13:ILE:HD12	1:B:14:GLN:H	4	0.33	0.12	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,454)	1:B:13:ILE:HD13	1:B:14:GLN:H	4	0.33	0.12	0.36
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD1	4	0.31	0.22	0.22
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD2	4	0.31	0.22	0.22
(1,952)	1:C:31:VAL:H	1:C:33:GLN:H	4	0.3	0.2	0.2
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD1	4	0.28	0.07	0.3
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD2	4	0.28	0.07	0.3
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD23	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD23	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD21	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD22	4	0.25	0.09	0.26
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD23	4	0.25	0.09	0.26
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD23	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD23	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD11	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD12	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD13	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD21	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD22	4	0.24	0.07	0.22
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD23	4	0.24	0.07	0.22
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD1	4	0.22	0.1	0.19
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD2	4	0.22	0.1	0.19
(1,1173)	1:C:90:GLU:H	1:C:94:MET:H	4	0.22	0.07	0.24
(1,758)	1:B:92:THR:H	1:B:94:MET:H	4	0.22	0.03	0.23
(1,1066)	1:C:60:LEU:H	1:C:80:GLN:H	4	0.22	0.09	0.19
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD11	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD13	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD11	4	0.21	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD13	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD11	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD12	4	0.21	0.05	0.2
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD13	4	0.21	0.05	0.2
(1,423)	1:A:137:PHE:H	1:A:140:TYR:H	4	0.21	0.05	0.2
(1,914)	1:C:19:LYS:H	1:C:81:GLY:H	4	0.2	0.08	0.17
(1,261)	1:A:69:GLY:H	1:A:71:GLU:H	4	0.2	0.05	0.22
(1,75)	1:A:24:GLU:H	1:A:75:LEU:H	4	0.2	0.07	0.2
(1,256)	1:A:68:LEU:H	1:A:73:ALA:H	4	0.2	0.06	0.2
(1,162)	1:A:49:SER:H	1:A:59:VAL:H	4	0.19	0.09	0.15
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD13	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD13	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD11	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD12	4	0.19	0.04	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD13	4	0.19	0.04	0.21
(1,538)	1:B:41:LYS:H	1:B:65:THR:H	4	0.19	0.06	0.18
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD21	4	0.19	0.04	0.17
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD22	4	0.19	0.04	0.17
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD23	4	0.19	0.04	0.17
(1,584)	1:B:48:SER:H	1:B:59:VAL:H	4	0.18	0.02	0.18
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE1	4	0.18	0.06	0.18
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE2	4	0.18	0.06	0.18
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE1	4	0.18	0.06	0.18
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE2	4	0.18	0.06	0.18
(1,262)	1:A:70:GLU:H	1:A:71:GLU:H	4	0.17	0.02	0.16
(1,1654)	1:D:135:ALA:H	1:D:137:PHE:H	4	0.17	0.02	0.18
(1,860)	1:B:137:PHE:H	1:B:139:ASN:H	4	0.16	0.02	0.17
(1,868)	1:B:139:ASN:H	1:B:141:LEU:H	4	0.16	0.04	0.15
(1,370)	1:A:113:CYS:H	1:A:116:SER:H	4	0.16	0.03	0.17
(1,1576)	1:D:96:HIS:H	1:D:98:LEU:H	4	0.15	0.02	0.15
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG11	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG13	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG11	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG13	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG11	4	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG12	4	0.15	0.02	0.16
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG13	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE3	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE3	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE1	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE2	4	0.15	0.02	0.16
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE3	4	0.15	0.02	0.16
(1,359)	1:A:110:ALA:H	1:A:112:GLU:H	4	0.15	0.03	0.14
(1,1199)	1:C:101:TYR:H	1:C:102:CYS:H	4	0.14	0.03	0.13
(1,316)	1:A:92:THR:H	1:A:93:GLN:H	4	0.14	0.02	0.13
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG13	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG13	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG11	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG12	4	0.13	0.02	0.13
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG13	4	0.13	0.02	0.13
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD23	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD23	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD21	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD22	3	1.6	0.46	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD23	3	1.6	0.46	1.52
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD13	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD13	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD11	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD12	3	1.33	0.22	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD13	3	1.33	0.22	1.4
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE1	3	1.12	0.41	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE2	3	1.12	0.41	1.17
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE3	3	1.12	0.41	1.17
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE1	3	1.12	0.41	1.17
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE2	3	1.12	0.41	1.17
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE3	3	1.12	0.41	1.17
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD12	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD13	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD12	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD13	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD11	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD12	3	1.0	0.33	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD13	3	1.0	0.33	0.91
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	3	0.99	0.67	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	3	0.99	0.67	1.09
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	3	0.97	0.36	0.9
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	3	0.97	0.36	0.9
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG23	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG23	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG21	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG22	3	0.93	0.07	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG23	3	0.93	0.07	0.93
(1,404)	1:A:131:VAL:HG11	1:A:133:PHE:H	3	0.8	0.19	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,404)	1:A:131:VAL:HG12	1:A:133:PHE:H	3	0.8	0.19	0.84
(1,404)	1:A:131:VAL:HG13	1:A:133:PHE:H	3	0.8	0.19	0.84
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD22	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD23	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD22	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD23	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD21	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD22	3	0.61	0.31	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD23	3	0.61	0.31	0.55
(1,143)	1:A:44:LEU:HD11	1:A:45:ASP:H	3	0.57	0.1	0.62
(1,143)	1:A:44:LEU:HD12	1:A:45:ASP:H	3	0.57	0.1	0.62
(1,143)	1:A:44:LEU:HD13	1:A:45:ASP:H	3	0.57	0.1	0.62
(1,835)	1:B:128:LEU:HD21	1:B:129:ALA:H	3	0.55	0.24	0.55
(1,835)	1:B:128:LEU:HD22	1:B:129:ALA:H	3	0.55	0.24	0.55
(1,835)	1:B:128:LEU:HD23	1:B:129:ALA:H	3	0.55	0.24	0.55
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD23	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD23	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD21	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD22	3	0.5	0.09	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD23	3	0.5	0.09	0.54
(1,1044)	1:C:56:TYR:H	1:C:86:ILE:H	3	0.48	0.26	0.64
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD11	3	0.46	0.19	0.34
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD12	3	0.46	0.19	0.34
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD13	3	0.46	0.19	0.34
(1,410)	1:A:133:PHE:H	1:A:136:LEU:H	3	0.41	0.17	0.38
(1,455)	1:B:13:ILE:HD11	1:B:15:ARG:H	3	0.4	0.09	0.39
(1,455)	1:B:13:ILE:HD12	1:B:15:ARG:H	3	0.4	0.09	0.39
(1,455)	1:B:13:ILE:HD13	1:B:15:ARG:H	3	0.4	0.09	0.39
(1,1264)	1:C:136:LEU:H	1:C:139:ASN:H	3	0.36	0.24	0.19
(1,1260)	1:C:135:ALA:H	1:C:138:MET:H	3	0.35	0.2	0.25
(1,675)	1:B:64:VAL:HG21	1:B:76:CYS:H	3	0.34	0.17	0.39
(1,675)	1:B:64:VAL:HG22	1:B:76:CYS:H	3	0.34	0.17	0.39
(1,675)	1:B:64:VAL:HG23	1:B:76:CYS:H	3	0.34	0.17	0.39
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE3	3	0.34	0.03	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE3	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE1	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE2	3	0.34	0.03	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE3	3	0.34	0.03	0.32
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	3	0.34	0.24	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	3	0.34	0.24	0.21
(1,1159)	1:C:86:ILE:HD11	1:C:87:ALA:H	3	0.31	0.09	0.35
(1,1159)	1:C:86:ILE:HD12	1:C:87:ALA:H	3	0.31	0.09	0.35
(1,1159)	1:C:86:ILE:HD13	1:C:87:ALA:H	3	0.31	0.09	0.35
(1,1175)	1:C:91:GLY:H	1:C:94:MET:H	3	0.28	0.12	0.32
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD11	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD12	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD13	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD11	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD12	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD13	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD11	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD12	3	0.28	0.14	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD13	3	0.28	0.14	0.27
(1,1188)	1:C:96:HIS:H	1:C:98:LEU:H	3	0.27	0.12	0.3
(1,1651)	1:D:134:ASP:H	1:D:136:LEU:H	3	0.26	0.11	0.19
(1,324)	1:A:94:MET:H	1:A:97:CYS:H	3	0.25	0.14	0.15
(1,556)	1:B:42:LEU:HD21	1:B:129:ALA:H	3	0.25	0.1	0.18
(1,556)	1:B:42:LEU:HD22	1:B:129:ALA:H	3	0.25	0.1	0.18
(1,556)	1:B:42:LEU:HD23	1:B:129:ALA:H	3	0.25	0.1	0.18
(1,641)	1:B:60:LEU:H	1:B:80:GLN:H	3	0.24	0.11	0.25
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD11	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD23	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD11	3	0.24	0.11	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD23	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD11	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD12	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD13	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD21	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD22	3	0.24	0.11	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD23	3	0.24	0.11	0.2
(1,1290)	1:D:11:PHE:HE1	1:D:102:CYS:H	3	0.24	0.08	0.23
(1,1290)	1:D:11:PHE:HE2	1:D:102:CYS:H	3	0.24	0.08	0.23
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG11	3	0.23	0.05	0.24
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG12	3	0.23	0.05	0.24
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG13	3	0.23	0.05	0.24
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	3	0.23	0.09	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	3	0.23	0.09	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	3	0.23	0.09	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	3	0.23	0.09	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	3	0.23	0.09	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	3	0.23	0.09	0.16
(1,861)	1:B:137:PHE:H	1:B:140:TYR:H	3	0.22	0.05	0.21
(1,773)	1:B:96:HIS:H	1:B:99:GLY:H	3	0.21	0.11	0.13
(1,1452)	1:D:60:LEU:H	1:D:81:GLY:H	3	0.21	0.07	0.16
(1,260)	1:A:69:GLY:H	1:A:70:GLU:H	3	0.2	0.06	0.18
(1,1636)	1:D:121:GLY:H	1:D:123:PHE:H	3	0.2	0.08	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD13	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD23	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD13	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD23	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD11	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD12	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD13	3	0.19	0.05	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD21	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD22	3	0.19	0.05	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD23	3	0.19	0.05	0.19
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD23	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD23	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD11	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD12	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD13	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD21	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD22	3	0.19	0.08	0.14
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD23	3	0.19	0.08	0.14
(1,331)	1:A:96:HIS:H	1:A:97:CYS:H	3	0.18	0.04	0.18
(1,101)	1:A:33:GLN:H	1:A:34:LYS:H	3	0.18	0.09	0.12
(1,597)	1:B:51:LEU:H	1:B:57:GLU:H	3	0.17	0.06	0.15
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD13	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD13	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD11	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD12	3	0.17	0.04	0.19
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD13	3	0.17	0.04	0.19
(1,116)	1:A:39:GLU:H	1:A:40:VAL:H	3	0.17	0.03	0.18
(1,593)	1:B:51:LEU:H	1:B:55:VAL:H	3	0.17	0.05	0.14
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD11	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD13	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD11	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD13	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD11	3	0.17	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD12	3	0.17	0.02	0.16
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD13	3	0.17	0.02	0.16
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB3	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB3	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB1	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB2	3	0.16	0.05	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB3	3	0.16	0.05	0.13
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD13	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD13	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD11	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD12	3	0.16	0.01	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD13	3	0.16	0.01	0.16
(1,209)	1:A:60:LEU:H	1:A:82:GLY:H	3	0.16	0.03	0.17
(1,1472)	1:D:64:VAL:H	1:D:65:THR:H	3	0.15	0.03	0.14
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE1	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE3	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE1	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE3	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE1	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE2	3	0.15	0.02	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE3	3	0.15	0.02	0.16
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE3	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE3	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE1	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE2	3	0.15	0.04	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE3	3	0.15	0.04	0.15
(1,520)	1:B:34:LYS:H	1:B:35:ASP:H	3	0.15	0.02	0.16
(1,945)	1:C:28:ALA:H	1:C:30:HIS:H	3	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,928)	1:C:22:SER:H	1:C:79:GLN:H	3	0.15	0.02	0.14
(1,780)	1:B:98:LEU:H	1:B:101:TYR:H	3	0.14	0.02	0.15
(1,683)	1:B:66:ALA:H	1:B:73:ALA:H	3	0.14	0.02	0.14
(1,1413)	1:D:51:LEU:H	1:D:55:VAL:H	3	0.14	0.04	0.12
(1,1533)	1:D:79:GLN:H	1:D:80:GLN:H	3	0.14	0.02	0.15
(1,238)	1:A:66:ALA:H	1:A:67:SER:H	3	0.13	0.03	0.11
(1,1202)	1:C:109:TYR:H	1:C:110:ALA:H	3	0.13	0.01	0.14
(1,1562)	1:D:92:THR:H	1:D:93:GLN:H	3	0.13	0.03	0.12
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	3	0.13	0.01	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	3	0.13	0.01	0.14
(1,1074)	1:C:62:VAL:H	1:C:78:VAL:H	3	0.12	0.01	0.12
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD11	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD13	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD11	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD13	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD11	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD12	3	0.12	0.01	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD13	3	0.12	0.01	0.11
(1,1148)	1:C:79:GLN:H	1:C:80:GLN:H	3	0.12	0.0	0.12
(1,1291)	1:D:12:GLN:H	1:D:13:ILE:H	3	0.12	0.01	0.11
(1,398)	1:A:126:LEU:HD11	1:A:127:ASN:H	2	0.81	0.13	0.81
(1,398)	1:A:126:LEU:HD12	1:A:127:ASN:H	2	0.81	0.13	0.81
(1,398)	1:A:126:LEU:HD13	1:A:127:ASN:H	2	0.81	0.13	0.81
(1,953)	1:C:31:VAL:HG11	1:C:32:PHE:H	2	0.81	0.18	0.81
(1,953)	1:C:31:VAL:HG12	1:C:32:PHE:H	2	0.81	0.18	0.81
(1,953)	1:C:31:VAL:HG13	1:C:32:PHE:H	2	0.81	0.18	0.81
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD11	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD13	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD11	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD13	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD11	2	0.78	0.26	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD12	2	0.78	0.26	0.78
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD13	2	0.78	0.26	0.78
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE2	2	0.76	0.58	0.76
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE2	2	0.76	0.58	0.76
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE1	2	0.76	0.58	0.76
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE2	2	0.76	0.58	0.76
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD13	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD13	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD11	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD12	2	0.68	0.55	0.68
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD13	2	0.68	0.55	0.68
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	2	0.67	0.31	0.67
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	2	0.67	0.31	0.67
(1,1172)	1:C:90:GLU:H	1:C:93:GLN:H	2	0.54	0.04	0.54
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD11	2	0.52	0.05	0.52
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD12	2	0.52	0.05	0.52
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD13	2	0.52	0.05	0.52
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD11	2	0.52	0.05	0.52
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD12	2	0.52	0.05	0.52
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD13	2	0.52	0.05	0.52
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD2	2	0.52	0.14	0.52
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD2	2	0.52	0.14	0.52
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD1	2	0.52	0.14	0.52
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD2	2	0.52	0.14	0.52
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	2	0.46	0.04	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	2	0.46	0.04	0.46
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	2	0.46	0.04	0.46
(1,403)	1:A:129:ALA:HB1	1:C:13:ILE:H	2	0.44	0.03	0.44
(1,403)	1:A:129:ALA:HB2	1:C:13:ILE:H	2	0.44	0.03	0.44
(1,403)	1:A:129:ALA:HB3	1:C:13:ILE:H	2	0.44	0.03	0.44
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD11	2	0.42	0.01	0.42
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD12	2	0.42	0.01	0.42
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD13	2	0.42	0.01	0.42
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE1	2	0.4	0.18	0.4
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE2	2	0.4	0.18	0.4
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE1	2	0.4	0.18	0.4
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE2	2	0.4	0.18	0.4
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE1	2	0.4	0.18	0.4
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE2	2	0.4	0.18	0.4
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD13	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD13	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD11	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD12	2	0.36	0.23	0.36
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD13	2	0.36	0.23	0.36
(1,1265)	1:C:136:LEU:HD21	1:C:137:PHE:H	2	0.36	0.08	0.36
(1,1265)	1:C:136:LEU:HD22	1:C:137:PHE:H	2	0.36	0.08	0.36
(1,1265)	1:C:136:LEU:HD23	1:C:137:PHE:H	2	0.36	0.08	0.36
(1,194)	1:A:58:VAL:H	1:A:82:GLY:H	2	0.35	0.0	0.35
(1,7)	1:A:11:PHE:HD1	1:A:12:GLN:H	2	0.34	0.18	0.34
(1,7)	1:A:11:PHE:HD2	1:A:12:GLN:H	2	0.34	0.18	0.34
(1,1355)	1:D:32:PHE:HD1	1:D:33:GLN:H	2	0.33	0.11	0.33
(1,1355)	1:D:32:PHE:HD2	1:D:33:GLN:H	2	0.33	0.11	0.33
(1,1594)	1:D:100:ALA:HB1	1:D:133:PHE:H	2	0.33	0.02	0.33
(1,1594)	1:D:100:ALA:HB2	1:D:133:PHE:H	2	0.33	0.02	0.33
(1,1594)	1:D:100:ALA:HB3	1:D:133:PHE:H	2	0.33	0.02	0.33
(1,99)	1:A:32:PHE:H	1:A:34:LYS:H	2	0.32	0.04	0.32
(1,1280)	1:D:10:THR:H	1:D:87:ALA:H	2	0.31	0.04	0.31
(1,764)	1:B:94:MET:H	1:B:97:CYS:H	2	0.3	0.1	0.3
(1,1673)	1:D:140:TYR:HD1	1:D:141:LEU:H	2	0.3	0.08	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1673)	1:D:140:TYR:HD2	1:D:141:LEU:H	2	0.3	0.08	0.3
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG11	2	0.28	0.12	0.28
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG12	2	0.28	0.12	0.28
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG13	2	0.28	0.12	0.28
(1,1652)	1:D:134:ASP:H	1:D:137:PHE:H	2	0.27	0.04	0.27
(1,9)	1:A:11:PHE:HE1	1:A:12:GLN:H	2	0.26	0.08	0.26
(1,9)	1:A:11:PHE:HE2	1:A:12:GLN:H	2	0.26	0.08	0.26
(1,847)	1:B:134:ASP:H	1:B:137:PHE:H	2	0.26	0.11	0.26
(1,1646)	1:D:133:PHE:H	1:D:134:ASP:H	2	0.26	0.08	0.26
(1,1016)	1:C:49:SER:H	1:C:59:VAL:H	2	0.25	0.03	0.25
(1,239)	1:A:66:ALA:H	1:A:73:ALA:H	2	0.24	0.02	0.24
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD12	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD13	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD12	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD13	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD11	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD12	2	0.24	0.12	0.24
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD13	2	0.24	0.12	0.24
(1,463)	1:B:14:GLN:H	1:B:85:SER:H	2	0.22	0.11	0.22
(1,1367)	1:D:40:VAL:HG11	1:D:41:LYS:H	2	0.22	0.02	0.22
(1,1367)	1:D:40:VAL:HG12	1:D:41:LYS:H	2	0.22	0.02	0.22
(1,1367)	1:D:40:VAL:HG13	1:D:41:LYS:H	2	0.22	0.02	0.22
(1,1393)	1:D:45:ASP:H	1:D:61:ARG:H	2	0.22	0.05	0.22
(1,784)	1:B:99:GLY:H	1:B:101:TYR:H	2	0.22	0.02	0.22
(1,120)	1:A:39:GLU:H	1:A:69:GLY:H	2	0.21	0.05	0.21
(1,542)	1:B:42:LEU:H	1:B:65:THR:H	2	0.2	0.08	0.2
(1,1190)	1:C:97:CYS:H	1:C:99:GLY:H	2	0.18	0.02	0.18
(1,1670)	1:D:139:ASN:H	1:D:140:TYR:H	2	0.18	0.01	0.18
(1,891)	1:C:14:GLN:H	1:C:15:ARG:H	2	0.18	0.02	0.18
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD23	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD23	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD21	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD22	2	0.18	0.03	0.18
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD23	2	0.18	0.03	0.18
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG11	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG12	2	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG13	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG11	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG12	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG13	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG11	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG12	2	0.18	0.06	0.18
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG13	2	0.18	0.06	0.18
(1,916)	1:C:20:ASP:H	1:C:79:GLN:H	2	0.17	0.06	0.17
(1,1138)	1:C:77:GLU:H	1:C:78:VAL:H	2	0.17	0.03	0.17
(1,1327)	1:D:23:PHE:HD1	1:D:24:GLU:H	2	0.17	0.01	0.17
(1,1327)	1:D:23:PHE:HD2	1:D:24:GLU:H	2	0.17	0.01	0.17
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG23	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG23	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG21	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG22	2	0.17	0.04	0.17
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG23	2	0.17	0.04	0.17
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD21	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD23	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD21	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD23	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD21	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD22	2	0.16	0.04	0.16
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD23	2	0.16	0.04	0.16
(1,1571)	1:D:95:ALA:H	1:D:97:CYS:H	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD23	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD23	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD21	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD22	2	0.16	0.04	0.16
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD23	2	0.16	0.04	0.16
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB3	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB3	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB1	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB2	2	0.16	0.02	0.16
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB3	2	0.16	0.02	0.16
(1,1182)	1:C:94:MET:H	1:C:97:CYS:H	2	0.14	0.01	0.14
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG12	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG13	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG12	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG13	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG11	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG12	2	0.14	0.03	0.14
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG13	2	0.14	0.03	0.14
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD13	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD13	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD11	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD12	2	0.14	0.02	0.14
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD13	2	0.14	0.02	0.14
(1,430)	1:A:139:ASN:H	1:A:140:TYR:H	2	0.14	0.01	0.14
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE3	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE3	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE1	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE2	2	0.14	0.02	0.14
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE3	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD21	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD23	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD21	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD23	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD21	2	0.14	0.02	0.14

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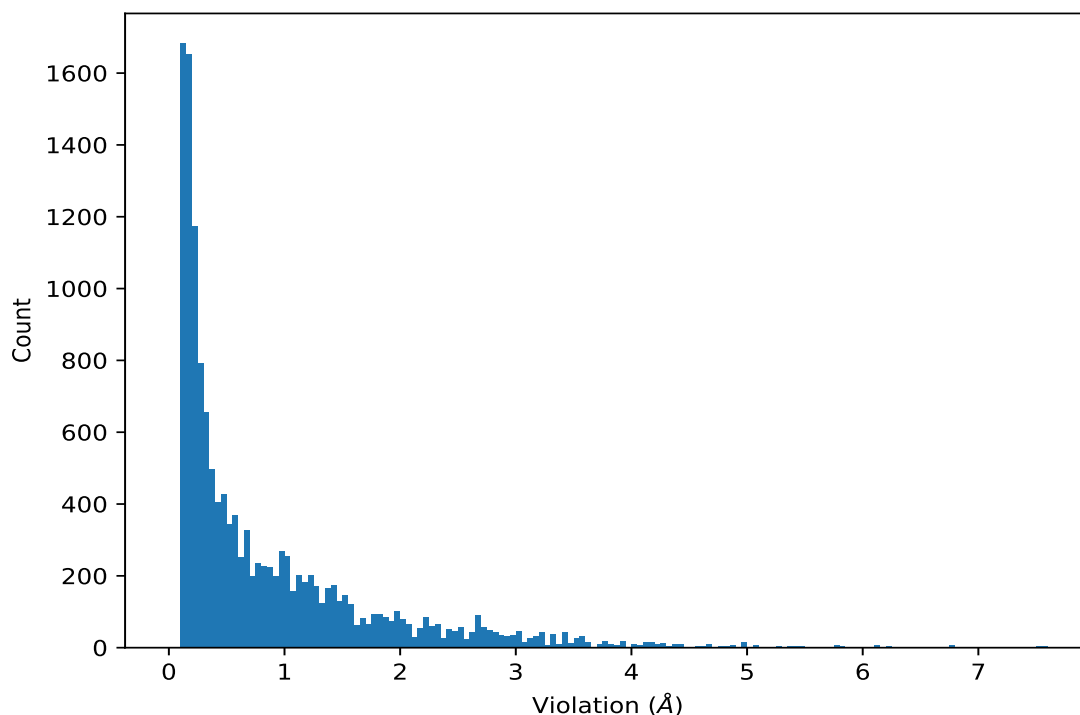
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD22	2	0.14	0.02	0.14
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD23	2	0.14	0.02	0.14
(1,482)	1:B:20:ASP:H	1:B:81:GLY:H	2	0.13	0.01	0.13
(1,487)	1:B:21:ILE:HD11	1:B:79:GLN:H	2	0.13	0.01	0.13
(1,487)	1:B:21:ILE:HD12	1:B:79:GLN:H	2	0.13	0.01	0.13
(1,487)	1:B:21:ILE:HD13	1:B:79:GLN:H	2	0.13	0.01	0.13
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE1	2	0.13	0.02	0.13
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE2	2	0.13	0.02	0.13
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD21	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD22	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD23	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD21	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD22	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD23	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD21	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD22	2	0.12	0.02	0.12
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD23	2	0.12	0.02	0.12
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE3	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE3	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE1	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE2	2	0.12	0.01	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE3	2	0.12	0.01	0.12
(1,345)	1:A:99:GLY:H	1:A:101:TYR:H	2	0.12	0.0	0.12
(1,592)	1:B:51:LEU:H	1:B:52:ALA:H	2	0.12	0.01	0.12
(1,350)	1:A:101:TYR:H	1:A:102:CYS:H	2	0.12	0.0	0.12

¹Number of violated models, ²Standard 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:C:31:VAL:HG21	1:C:36:TRP:HE1	1	7.6
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	1	7.6
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	1	7.6
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	1	7.51
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	1	7.51
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	1	7.51
(1,965)	1:C:34:LYS:H	1:C:36:TRP:HE1	1	7.16
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	3	6.78
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	3	6.78
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	3	6.78
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	11	6.78
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	11	6.78
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	11	6.78
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	10	6.34
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	7	6.24
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	7	6.24

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

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

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

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

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	19	3.43
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	19	3.43
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	19	3.43
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	13	3.42
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	13	3.42
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	13	3.42
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	7	3.41
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	7	3.41
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	7	3.41
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	17	3.4
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	17	3.4
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	17	3.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	17	3.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	17	3.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	17	3.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	17	3.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	17	3.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	17	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	1	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	1	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	1	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	3	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	3	3.4
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	3	3.4
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	17	3.39
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	17	3.39
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	17	3.39
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	17	3.39
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	17	3.39
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	17	3.39
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	6	3.39
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	6	3.39
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	18	3.35
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	18	3.35
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	18	3.35
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	13	3.33
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	13	3.33
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	13	3.33
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	2	3.33
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	19	3.32
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	19	3.32
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	19	3.32

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	2	3.18
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	2	3.18
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	2	3.18
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	4	3.17
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	4	3.17
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	4	3.17
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	4	3.17
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	4	3.17
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	4	3.17
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	6	3.16
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	6	3.16
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	6	3.16
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	6	3.16
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	6	3.16
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	6	3.16
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	6	3.16
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	6	3.16
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	6	3.16
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	6	3.16
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	6	3.16
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	6	3.16
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	6	3.16
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	6	3.16
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	6	3.16
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	6	3.16
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	6	3.16
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	6	3.16
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	7	3.15
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	7	3.15
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	7	3.15
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	12	3.13
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	12	3.13
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	12	3.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	12	3.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	12	3.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	12	3.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	12	3.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	12	3.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	12	3.13
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	3	3.11
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	3	3.11
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	3	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	3	3.11
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	3	3.11
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	3	3.11
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	11	3.11
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	11	3.11
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	14	3.11
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	14	3.11
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	14	3.11
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	14	3.11
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	14	3.11
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	14	3.11
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	14	3.11
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	14	3.11
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	14	3.11
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	3	3.09
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	3	3.09
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	3	3.09
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	3	3.09
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	3	3.09
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	3	3.09
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	3	3.09
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	3	3.09
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	3	3.09
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	19	3.09
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	19	3.09
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	19	3.09
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	17	3.08
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	17	3.08
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	17	3.08
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	16	3.04
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	16	3.04
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	16	3.04
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	16	3.04
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	16	3.04
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	16	3.04
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	19	3.02
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	19	3.02
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	19	3.02
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	19	3.02
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	19	3.02
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	19	3.02
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	19	3.02

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

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	13	2.76
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	13	2.76
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	13	2.76
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	13	2.76
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	13	2.76
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	13	2.76
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	13	2.76
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	13	2.76
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	13	2.76
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	7	2.75
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	7	2.75
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	7	2.75
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	7	2.75
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	7	2.75
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	7	2.75
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	7	2.75
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	7	2.75
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	7	2.75
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	17	2.74
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	17	2.74
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	17	2.74
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	17	2.73
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	17	2.73
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	17	2.73
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	17	2.73
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	17	2.73
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	17	2.73
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	12	2.73
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	6	2.72
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	6	2.72
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	6	2.72
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	6	2.72
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	6	2.72
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	6	2.72
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	6	2.72
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	6	2.72
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	6	2.72
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	10	2.72
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	10	2.72
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	10	2.72
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	18	2.71
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	18	2.71

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	1	2.69
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	7	2.69
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	7	2.69
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	7	2.69
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	7	2.68
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	7	2.68
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	7	2.68
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	7	2.68
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	7	2.68
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	7	2.68
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	7	2.68
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	7	2.68
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	7	2.68
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	20	2.68
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	20	2.68
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	20	2.68
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	20	2.68
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	20	2.68
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	20	2.68
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	20	2.68
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	20	2.68
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	20	2.68
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	4	2.68
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	4	2.68
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	4	2.68
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	13	2.68
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	13	2.68
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	13	2.68
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE2	13	2.68
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE1	13	2.68
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE2	13	2.68
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	15	2.68
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	15	2.68
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	15	2.68
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	18	2.67
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	18	2.67
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	18	2.67
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	18	2.67
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	18	2.67
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	18	2.67
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD21	3	2.67
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD22	3	2.67

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	19	2.49
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	7	2.48
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	7	2.48
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	7	2.48
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	7	2.48
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	7	2.48
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	7	2.48
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	7	2.48
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	7	2.48
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	7	2.48
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	1	2.47
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	1	2.47
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	1	2.47
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE2	1	2.47
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE1	1	2.47
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE2	1	2.47
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	19	2.47
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	19	2.47
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	19	2.47
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	19	2.47
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	19	2.47
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	19	2.47
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	16	2.46
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	14	2.46
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	14	2.46
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	14	2.46
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	14	2.46
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	14	2.46
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	14	2.46
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	19	2.46
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	19	2.46
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	19	2.46
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	19	2.46
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	19	2.46
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	19	2.46
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	13	2.46
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	13	2.46
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	13	2.46
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	13	2.46
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	13	2.46
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	13	2.46
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	5	2.43

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	5	2.42
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	5	2.42
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	16	2.42
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	16	2.42
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	16	2.42
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	19	2.41
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	19	2.41
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	19	2.41
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	5	2.39
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	5	2.39
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE3	5	2.39
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE1	5	2.39
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE2	5	2.39
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE3	5	2.39
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	7	2.39
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	6	2.39
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	6	2.39
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	6	2.39
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	6	2.38
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	6	2.38
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	6	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	10	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	10	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	10	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	20	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	20	2.38
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	20	2.38
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	11	2.37
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	11	2.37
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	11	2.37
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	11	2.37
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	11	2.37
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	11	2.37
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	17	2.35
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	6	2.34
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	6	2.34
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	6	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	6	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	6	2.34
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	6	2.34
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	6	2.34
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	6	2.34

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	7	2.3
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	13	2.3
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	13	2.3
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	13	2.3
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	13	2.3
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	13	2.3
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	13	2.3
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	6	2.3
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	6	2.3
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	6	2.3
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	6	2.3
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	6	2.3
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	6	2.3
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	6	2.3
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	6	2.3
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	6	2.3
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD11	20	2.29
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD12	20	2.29
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD13	20	2.29
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD11	20	2.29
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD12	20	2.29
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD13	20	2.29
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD11	20	2.29
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD12	20	2.29
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD13	20	2.29
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	13	2.29
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	13	2.29
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	13	2.29
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	13	2.29
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	13	2.29
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	13	2.29
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	18	2.28
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	18	2.28
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	18	2.28
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	17	2.28
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	17	2.28
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	17	2.28
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	16	2.28
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	16	2.28
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	16	2.28
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	16	2.28
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	16	2.28

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	17	2.18
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	17	2.18
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	17	2.18
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	17	2.18
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	10	2.18
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	10	2.18
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	17	2.17
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	17	2.17
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	17	2.17
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	17	2.17
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	17	2.17
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	17	2.17
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	17	2.17
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	17	2.17
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	17	2.17
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	13	2.17
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	13	2.17
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	13	2.17
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	13	2.17
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	13	2.17
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	13	2.17
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	13	2.17
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	13	2.17
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	13	2.17
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	20	2.16
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	20	2.16
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	20	2.16
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	20	2.16
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	20	2.16
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	20	2.16
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	20	2.16
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	20	2.16
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	20	2.16
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	20	2.16
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	20	2.16
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	20	2.16
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	20	2.16
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	20	2.16
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	20	2.16
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	13	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	13	2.15
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	13	2.15
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	17	2.15
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	17	2.15
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	17	2.15
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	19	2.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	4	2.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	4	2.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	4	2.13
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	12	2.12
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	12	2.12
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	12	2.12
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	8	2.12
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	8	2.12
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	8	2.12
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	8	2.12
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	8	2.12
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	8	2.12
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	8	2.11
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	8	2.11
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	8	2.11
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	16	2.11
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	16	2.11
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	16	2.11
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	19	2.11
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	19	2.11
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	19	2.11
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	19	2.1
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	19	2.1
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	19	2.1
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	19	2.1
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	19	2.1
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	19	2.1
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	13	2.1
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	13	2.1
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	12	2.09
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	12	2.09
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	12	2.09
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	12	2.09
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	12	2.09
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	12	2.09
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	18	2.09

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	15	2.06
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	15	2.06
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	15	2.06
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	15	2.06
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	15	2.06
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	15	2.06
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	4	2.06
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	8	2.06
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	8	2.06
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	8	2.06
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	11	2.06
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	11	2.06
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	11	2.06
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	7	2.05
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	7	2.05
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	7	2.05
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	15	2.04
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	15	2.04
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	15	2.04
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	15	2.04
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	15	2.04
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	15	2.04
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	7	2.04
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	7	2.04
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	7	2.04
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE2	7	2.04
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE1	7	2.04
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE2	7	2.04
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	1	2.04
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	1	2.04
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	1	2.04
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	1	2.04
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	1	2.04
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	1	2.04
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	1	2.04
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	1	2.04
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	1	2.04
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	11	2.03
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	11	2.03
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	11	2.03
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	12	2.03
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	12	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	12	2.03
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	12	2.03
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	12	2.03
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	12	2.03
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	14	2.03
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	14	2.03
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	14	2.03
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	18	2.02
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	18	2.02
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	18	2.02
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	18	2.02
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	18	2.02
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	18	2.02
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	2	2.02
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	2	2.02
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	2	2.02
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	7	2.02
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	7	2.02
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	7	2.02
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	7	2.02
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	7	2.02
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	7	2.02
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	7	2.02
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	7	2.02
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	7	2.02
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	6	2.02
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	6	2.02
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	6	2.02
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	6	2.02
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	6	2.02
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	6	2.02
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	8	2.01
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	8	2.01
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	8	2.01
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	10	2.0
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	10	2.0
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	10	2.0
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	10	2.0
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	10	2.0
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	10	2.0
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	10	2.0
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	10	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	10	2.0
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	8	2.0
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	8	2.0
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	8	2.0
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	18	2.0
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	18	2.0
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	18	2.0
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	19	2.0
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	19	2.0
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	19	2.0
(1,965)	1:C:34:LYS:H	1:C:36:TRP:HE1	14	1.99
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	12	1.99
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	12	1.99
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	12	1.99
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	12	1.99
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	12	1.99
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	12	1.99
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	8	1.99
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	8	1.99
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	8	1.99
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	10	1.98
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	10	1.98
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	10	1.98
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	10	1.98
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	10	1.98
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	10	1.98
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	10	1.98
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	10	1.98
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	10	1.98
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	4	1.98
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	4	1.98
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	4	1.98
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	4	1.98
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	4	1.98
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	4	1.98
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	4	1.98
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	4	1.98
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	4	1.98
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	17	1.97
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	17	1.97
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	17	1.97
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	17	1.97
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	17	1.97
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	1	1.97
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	1	1.97
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	1	1.97
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	2	1.97
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	2	1.97
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	2	1.97
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	20	1.96
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	20	1.96
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	20	1.96
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	20	1.96
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	20	1.96
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	20	1.96
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	20	1.96
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	20	1.96
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	20	1.96
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	20	1.96
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	20	1.96
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	20	1.96
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	11	1.96
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	11	1.96
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	11	1.96
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	4	1.96
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	4	1.96
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	4	1.96
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	4	1.96
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	4	1.96
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	4	1.96
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	4	1.96
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	4	1.96
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	4	1.96
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	2	1.96
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	2	1.96
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	2	1.96
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	2	1.96
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	2	1.96
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	2	1.96
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	2	1.96
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	2	1.96
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	2	1.96
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	17	1.95

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	11	1.93
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	11	1.93
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	11	1.93
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	11	1.93
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	11	1.93
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	11	1.93
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	11	1.93
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	11	1.93
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	10	1.93
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	10	1.93
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	10	1.93
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	4	1.93
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	4	1.93
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	4	1.93
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	4	1.93
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	4	1.93
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	4	1.93
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	4	1.93
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	4	1.93
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	4	1.93
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	14	1.92
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	14	1.92
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	14	1.92
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	7	1.92
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	7	1.92
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	7	1.92
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	7	1.92
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	7	1.92
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	7	1.92
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	7	1.92
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	7	1.92
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	7	1.92
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	6	1.92
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	6	1.92
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	6	1.92
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	16	1.92
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	16	1.92
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	16	1.92
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	5	1.91
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	5	1.91
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	5	1.91
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	4	1.91
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	4	1.91
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	16	1.91
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	16	1.91
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD11	20	1.9
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD12	20	1.9
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD13	20	1.9
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD11	20	1.9
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD12	20	1.9
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD13	20	1.9
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD11	20	1.9
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD12	20	1.9
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD13	20	1.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	11	1.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	11	1.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	11	1.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	11	1.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	11	1.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	11	1.9
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	5	1.89
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	5	1.89
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	5	1.89
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	5	1.89
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	5	1.89
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	5	1.89
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	5	1.89
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	5	1.89
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	5	1.89
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	3	1.89
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	3	1.89
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	3	1.89
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	3	1.89
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	3	1.89
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	3	1.89
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	3	1.89
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	3	1.89
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	3	1.89
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	17	1.89
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	17	1.89
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	17	1.89
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	19	1.89
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	19	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	19	1.89
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	19	1.89
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	19	1.89
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	19	1.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	19	1.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	19	1.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	19	1.89
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	10	1.88
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	10	1.88
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	10	1.88
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	6	1.88
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	6	1.88
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	6	1.88
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	11	1.87
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	11	1.87
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	11	1.87
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	8	1.87
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	8	1.87
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	8	1.87
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	8	1.87
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	8	1.87
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	8	1.87
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	8	1.87
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	8	1.87
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	8	1.87
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	11	1.87
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	11	1.87
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	11	1.87
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	11	1.87
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	11	1.87
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	11	1.87
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	6	1.87
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	6	1.87
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	6	1.87
(1,1387)	1:D:44:LEU:HD11	1:D:45:ASP:H	3	1.87
(1,1387)	1:D:44:LEU:HD12	1:D:45:ASP:H	3	1.87
(1,1387)	1:D:44:LEU:HD13	1:D:45:ASP:H	3	1.87
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	3	1.86
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	3	1.86
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	3	1.86
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	3	1.86
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	3	1.86
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	9	1.86
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	9	1.86
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	9	1.86
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	12	1.86
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	12	1.86
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	12	1.86
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	12	1.86
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	12	1.86
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	12	1.86
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	11	1.85
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	11	1.85
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	11	1.85
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	5	1.85
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	5	1.85
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	5	1.85
(1,1387)	1:D:44:LEU:HD11	1:D:45:ASP:H	8	1.85
(1,1387)	1:D:44:LEU:HD12	1:D:45:ASP:H	8	1.85
(1,1387)	1:D:44:LEU:HD13	1:D:45:ASP:H	8	1.85
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	1	1.84
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	1	1.84
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	1	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	1	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	1	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	1	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	1	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	1	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	1	1.84
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	19	1.84
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	19	1.84
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	19	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	19	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	19	1.84
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	19	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	19	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	19	1.84
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	19	1.84
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	13	1.84
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	13	1.84
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	13	1.84
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	13	1.84
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	13	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	13	1.84
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	13	1.84
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	13	1.84
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	13	1.84
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	5	1.84
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	5	1.84
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	5	1.84
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	5	1.84
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	5	1.84
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	5	1.84
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	5	1.84
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	5	1.84
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	5	1.84
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	5	1.83
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	5	1.83
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	5	1.83
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	5	1.83
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	5	1.83
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	5	1.83
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	5	1.83
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	5	1.83
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	5	1.83
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	16	1.83
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	16	1.83
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	16	1.83
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	4	1.82
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	4	1.82
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	4	1.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	11	1.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	11	1.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	11	1.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	11	1.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	11	1.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	11	1.82
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	11	1.82
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	11	1.82
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	11	1.82
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	2	1.82
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	2	1.82
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	2	1.82
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	2	1.81
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	2	1.81

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	11	1.77
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	11	1.77
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	11	1.77
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	11	1.77
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	5	1.76
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	12	1.76
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	12	1.76
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	12	1.76
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	12	1.76
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	12	1.76
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	12	1.76
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	12	1.76
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	12	1.76
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	12	1.76
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	18	1.75
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	18	1.75
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	18	1.75
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	18	1.75
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	18	1.75
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	18	1.75
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	18	1.75
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	18	1.75
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	18	1.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	8	1.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	8	1.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	8	1.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	8	1.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	8	1.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	8	1.75
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	12	1.75
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	12	1.75
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	12	1.75
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	14	1.75
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	14	1.75
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	14	1.75
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	5	1.75
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	5	1.75
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	8	1.74
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	8	1.74
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	8	1.74
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	8	1.74
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	8	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	8	1.74
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	8	1.74
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	8	1.74
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	8	1.74
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	6	1.74
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	6	1.74
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	6	1.74
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	6	1.74
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	6	1.74
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	6	1.74
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	7	1.74
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	7	1.74
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	7	1.74
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	15	1.72
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	15	1.72
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	15	1.72
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	15	1.72
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	15	1.72
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	15	1.72
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	15	1.72
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	15	1.72
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	15	1.72
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	16	1.72
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	7	1.71
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	7	1.71
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	7	1.71
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	7	1.71
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	7	1.71
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	7	1.71
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	1	1.71
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	1	1.71
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	1	1.71
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	15	1.71
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	15	1.71
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	15	1.71
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	11	1.71
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	11	1.71
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	11	1.71
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	12	1.71
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	12	1.71
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	12	1.71
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	12	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	12	1.71
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	12	1.71
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	12	1.71
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	12	1.71
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	12	1.71
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	10	1.7
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	10	1.7
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	10	1.7
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	10	1.7
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	10	1.7
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	10	1.7
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	10	1.7
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	10	1.7
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	10	1.7
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	6	1.7
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	6	1.7
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	10	1.7
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	10	1.7
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	20	1.69
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	20	1.69
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	20	1.69
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	20	1.69
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	20	1.69
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	20	1.69
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	20	1.69
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	20	1.69
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	20	1.69
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	8	1.69
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	8	1.69
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	8	1.69
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	8	1.69
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	8	1.69
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	8	1.69
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	4	1.69
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	4	1.69
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	6	1.68
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	6	1.68
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	6	1.68
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	6	1.68
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	6	1.68
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	6	1.68
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	6	1.68
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	6	1.68
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	6	1.67
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	6	1.67
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	6	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	6	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	6	1.67
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	6	1.67
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	6	1.67
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	6	1.67
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	6	1.67
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	7	1.67
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	7	1.67
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	7	1.67
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	11	1.67
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	11	1.67
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	11	1.67
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	11	1.67
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	11	1.67
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	11	1.67
(1,1387)	1:D:44:LEU:HD11	1:D:45:ASP:H	17	1.67
(1,1387)	1:D:44:LEU:HD12	1:D:45:ASP:H	17	1.67
(1,1387)	1:D:44:LEU:HD13	1:D:45:ASP:H	17	1.67
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	5	1.66
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	5	1.66
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	5	1.66
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	5	1.66
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	5	1.66
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	5	1.66
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	5	1.66
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	5	1.66
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	5	1.66
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	8	1.65
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	8	1.65
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	8	1.65
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	8	1.65
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	8	1.65
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	8	1.65
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	8	1.65
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	8	1.65
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	8	1.65
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	7	1.65
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	7	1.65
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	7	1.65
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	7	1.65
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	7	1.65
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	7	1.65
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	7	1.65
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	7	1.65
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	16	1.65
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	18	1.65
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	18	1.65
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	18	1.65
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	20	1.65
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	20	1.65
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	8	1.65
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	8	1.65
(1,888)	1:C:13:ILE:HD11	1:C:83:ILE:H	11	1.63
(1,888)	1:C:13:ILE:HD12	1:C:83:ILE:H	11	1.63
(1,888)	1:C:13:ILE:HD13	1:C:83:ILE:H	11	1.63
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	7	1.63
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	7	1.63
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	7	1.63
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	4	1.63
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	4	1.63
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	4	1.63
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	1	1.63
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	1	1.63
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	20	1.63
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	20	1.63
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	5	1.62
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	10	1.62
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	14	1.62
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	14	1.62
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	14	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	14	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	14	1.62
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	14	1.62
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	8	1.62
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	8	1.62
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	8	1.62
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	8	1.62
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	8	1.62
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	8	1.62
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	8	1.62
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	8	1.62
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	12	1.61
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	12	1.61
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	12	1.61
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	12	1.61
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	12	1.61
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	12	1.61
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	12	1.61
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	12	1.61
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	12	1.61
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	17	1.61
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	17	1.61
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	17	1.61
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	8	1.61
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	8	1.61
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	8	1.61
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	19	1.6
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	19	1.6
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	19	1.6
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	2	1.6
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	2	1.6
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	2	1.6
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	2	1.6
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	2	1.6
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	2	1.6
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE1	19	1.6
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE2	19	1.6
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE3	19	1.6
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE1	19	1.6
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE2	19	1.6
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE3	19	1.6
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	7	1.6
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	7	1.6
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	7	1.6
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	1	1.59
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	1	1.59
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	1	1.59
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	1	1.59
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	1	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	1	1.59
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	10	1.59
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	10	1.59
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	10	1.59
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	5	1.59
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	14	1.59
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	8	1.58
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	8	1.58
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	8	1.58
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	8	1.58
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	8	1.58
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	8	1.58
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	8	1.58
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	8	1.58
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	8	1.58
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	20	1.58
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	20	1.58
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	20	1.58
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	20	1.58
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	20	1.58
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	20	1.58
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	20	1.58
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	20	1.58
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	20	1.58
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	3	1.58
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	3	1.58
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	3	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	3	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	3	1.58
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	3	1.58
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	10	1.58
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	10	1.58
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE3	10	1.58
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE1	10	1.58
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE2	10	1.58
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE3	10	1.58
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	15	1.58
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	15	1.58
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	15	1.58
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	19	1.58
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	19	1.58
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	19	1.58

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	1	1.56
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	1	1.56
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	1	1.56
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	18	1.56
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	18	1.56
(1,1387)	1:D:44:LEU:HD11	1:D:45:ASP:H	20	1.56
(1,1387)	1:D:44:LEU:HD12	1:D:45:ASP:H	20	1.56
(1,1387)	1:D:44:LEU:HD13	1:D:45:ASP:H	20	1.56
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	3	1.55
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	3	1.55
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	3	1.55
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	3	1.55
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	3	1.55
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	3	1.55
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	13	1.55
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	4	1.55
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	4	1.55
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	4	1.55
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	4	1.55
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	4	1.55
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	4	1.55
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	4	1.55
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	4	1.55
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	4	1.55
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	2	1.55
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	2	1.55
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	2	1.55
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	20	1.55
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	20	1.55
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	20	1.55
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	8	1.55
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	8	1.55
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	8	1.55
(1,885)	1:C:13:ILE:HD11	1:C:14:GLN:H	11	1.54
(1,885)	1:C:13:ILE:HD12	1:C:14:GLN:H	11	1.54
(1,885)	1:C:13:ILE:HD13	1:C:14:GLN:H	11	1.54
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD11	15	1.54
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD12	15	1.54
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD13	15	1.54
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD11	15	1.54
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD12	15	1.54
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD13	15	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD11	15	1.54
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD12	15	1.54
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD13	15	1.54
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	8	1.54
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	8	1.54
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	8	1.54
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	8	1.54
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	8	1.54
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	8	1.54
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	8	1.54
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	8	1.54
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	8	1.54
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	3	1.54
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	3	1.54
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	3	1.54
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	10	1.54
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	10	1.54
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	10	1.54
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	10	1.54
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	10	1.54
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	10	1.54
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	10	1.54
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	10	1.54
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	10	1.54
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	2	1.54
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	11	1.54
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	11	1.54
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	11	1.54
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	17	1.53
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	17	1.53
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	17	1.53
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	1	1.53
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	1	1.53
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	1	1.53
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	5	1.53
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	5	1.53
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	5	1.53
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	11	1.53
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	11	1.53
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	11	1.53
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	11	1.53
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	11	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	11	1.53
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	11	1.53
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	11	1.53
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	11	1.53
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	7	1.53
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	14	1.53
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	16	1.53
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	16	1.53
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	16	1.53
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	16	1.53
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	16	1.53
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	16	1.53
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	3	1.52
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	3	1.52
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	3	1.52
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	3	1.52
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	3	1.52
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	3	1.52
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	3	1.52
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	3	1.52
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	3	1.52
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	18	1.52
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	18	1.52
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	18	1.52
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	7	1.52
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	7	1.52
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	7	1.52
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	7	1.52
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	7	1.52
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	7	1.52
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	7	1.52
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	7	1.52
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	7	1.52
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	10	1.52
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	10	1.52
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	10	1.52
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	8	1.52
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	8	1.52
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	8	1.52
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	10	1.52
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	10	1.52
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD21	3	1.52
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD22	3	1.52
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD23	3	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD21	3	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD22	3	1.52
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD23	3	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD21	3	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD22	3	1.52
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD23	3	1.52
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	12	1.51
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	12	1.51
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	12	1.51
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	16	1.51
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	16	1.51
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	16	1.51
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	19	1.51
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	19	1.51
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	19	1.51
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	8	1.51
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	6	1.51
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	6	1.51
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	10	1.51
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	10	1.51
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	14	1.51
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	14	1.51
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	14	1.51
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	14	1.51
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	14	1.51
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	14	1.51
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	14	1.51
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	14	1.51
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	14	1.51
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	16	1.5
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	4	1.5
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	4	1.5
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	4	1.5
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	4	1.5
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	4	1.5
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	4	1.5
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	4	1.5
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	4	1.5
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	18	1.5
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	18	1.5
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	18	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	18	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	18	1.5
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	18	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	18	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	18	1.5
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	18	1.5
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	4	1.5
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	4	1.5
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	19	1.5
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	7	1.49
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	7	1.49
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	7	1.49
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	18	1.49
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	18	1.49
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	14	1.49
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	14	1.49
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	14	1.49
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	14	1.49
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	14	1.49
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	14	1.49
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	14	1.49
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	14	1.49
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	14	1.49
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	16	1.48
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	16	1.48
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	16	1.48
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	14	1.48
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	14	1.48
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	14	1.48
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	14	1.48
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	14	1.48
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	14	1.48
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	19	1.48
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	19	1.48
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	19	1.48
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	19	1.48
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	19	1.48
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	19	1.48
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	19	1.48
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	19	1.48
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	5	1.48
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	5	1.48
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	5	1.48
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	5	1.48
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	5	1.48
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	5	1.48
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	5	1.48
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	5	1.48
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	5	1.48
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	16	1.48
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	16	1.48
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	16	1.48
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD11	17	1.47
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD12	17	1.47
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD13	17	1.47
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD11	17	1.47
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD12	17	1.47
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD13	17	1.47
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD11	17	1.47
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD12	17	1.47
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD13	17	1.47
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	1	1.47
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	1	1.47
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	1	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	1	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	1	1.47
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	1	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	1	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	1	1.47
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	1	1.47
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	1	1.47
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	1	1.47
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	1	1.47
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	1	1.47
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	1	1.47
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	1	1.47
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	1	1.47
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	1	1.47
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	1	1.47
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	11	1.47
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	11	1.47
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	18	1.47
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	18	1.47
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	18	1.47
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	5	1.47
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	5	1.47
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	5	1.47
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	20	1.47
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	8	1.46
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	8	1.46
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	8	1.46
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	8	1.46
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	8	1.46
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	8	1.46
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	8	1.46
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	8	1.46
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	8	1.46
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	7	1.45
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	7	1.45
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	7	1.45
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	7	1.45
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	7	1.45
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	7	1.45
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	7	1.45
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	7	1.45
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	7	1.45
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	12	1.45
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	12	1.45
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	12	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	12	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	12	1.45
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	12	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	12	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	12	1.45
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	12	1.45
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	7	1.45
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	7	1.45
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	7	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	7	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	7	1.45
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	7	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	7	1.45
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	7	1.45
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	7	1.45
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	20	1.45
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	20	1.45
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	20	1.45
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD21	14	1.45
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD22	14	1.45
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD23	14	1.45
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD21	14	1.45
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD22	14	1.45
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD23	14	1.45
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD21	14	1.45
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD22	14	1.45
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD23	14	1.45
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	2	1.44
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	16	1.44
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	16	1.44
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	6	1.44
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	6	1.44
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	6	1.44
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	14	1.44
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	14	1.44
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	14	1.44
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	14	1.44
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	14	1.44
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	14	1.44
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD11	18	1.44
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD12	18	1.44
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD13	18	1.44
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD11	18	1.44
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD12	18	1.44
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD13	18	1.44
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD11	18	1.44
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD12	18	1.44
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD13	18	1.44
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	12	1.44
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	12	1.44
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	12	1.44
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	12	1.44
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	12	1.44
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	12	1.44
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	12	1.44
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	12	1.44
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	17	1.44
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	17	1.44
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	17	1.44
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	1	1.44
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	18	1.44
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	18	1.44
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	18	1.44
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	18	1.44
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	18	1.44
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	18	1.44
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	18	1.44
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	18	1.44
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	18	1.44
(1,852)	1:B:135:ALA:HB1	1:D:13:ILE:H	18	1.43
(1,852)	1:B:135:ALA:HB2	1:D:13:ILE:H	18	1.43
(1,852)	1:B:135:ALA:HB3	1:D:13:ILE:H	18	1.43
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	17	1.43
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	17	1.43
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	17	1.43
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	17	1.43
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	17	1.43
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	17	1.43
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	17	1.43
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	17	1.43
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	17	1.43
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	8	1.43
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	8	1.43
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	8	1.43
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	14	1.43
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	14	1.43
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	14	1.43
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	7	1.43
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	7	1.43
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	7	1.43
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	7	1.43
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	7	1.43
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	7	1.43
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	2	1.43
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	2	1.43
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	2	1.43
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	2	1.43
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	2	1.43
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	16	1.43
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	18	1.42
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	18	1.42
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	18	1.42
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	18	1.42
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	18	1.42
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	18	1.42
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	18	1.42
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	18	1.42
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	18	1.42
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	5	1.42
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	5	1.42
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	5	1.42
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	5	1.42
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	5	1.42
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	5	1.42
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	2	1.42
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	2	1.42
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	2	1.42
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	2	1.42
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	2	1.42
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	2	1.42
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	11	1.42
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	11	1.42
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	11	1.42
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	6	1.42
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	6	1.42
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	6	1.42
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	6	1.42
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	6	1.42
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	6	1.42
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	6	1.42
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	6	1.42
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	6	1.42
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	7	1.42
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	7	1.42
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	7	1.42
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	7	1.41
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	7	1.41
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	7	1.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	7	1.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	7	1.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	7	1.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	7	1.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	7	1.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	7	1.41
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	20	1.41
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	20	1.41
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	20	1.41
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	20	1.4
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	20	1.4
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	20	1.4
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	4	1.4
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	4	1.4
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	4	1.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	4	1.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	4	1.4
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	4	1.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	4	1.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	4	1.4
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	4	1.4
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD11	15	1.4
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD12	15	1.4
(1,660)	1:B:62:VAL:HG11	1:B:128:LEU:HD13	15	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD11	15	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD12	15	1.4
(1,660)	1:B:62:VAL:HG12	1:B:128:LEU:HD13	15	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD11	15	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD12	15	1.4
(1,660)	1:B:62:VAL:HG13	1:B:128:LEU:HD13	15	1.4
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	8	1.4
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	16	1.4
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	16	1.4
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	16	1.4
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	16	1.4
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	16	1.4
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	16	1.4
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	6	1.4
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	6	1.4
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	12	1.4
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	12	1.4
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	12	1.4
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	11	1.4
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	11	1.4
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	11	1.4
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	8	1.4
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	8	1.4
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	8	1.4
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	8	1.4
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	8	1.4
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	8	1.4
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	8	1.4
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	8	1.4
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	8	1.4
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	14	1.4
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	14	1.4
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	1	1.4
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	1	1.4
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	8	1.4
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	8	1.4
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	4	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	4	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	4	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	4	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	4	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	4	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	4	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	4	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	4	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	5	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	5	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	5	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	5	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	5	1.39
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	5	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	5	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	5	1.39
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	5	1.39
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	3	1.39
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	3	1.39
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	3	1.39
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	3	1.39
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	3	1.39
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	8	1.39
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	8	1.39
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	8	1.39
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	8	1.39
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	8	1.39
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	8	1.39
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	13	1.39
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	13	1.39
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	13	1.39
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	13	1.39
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	13	1.39
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	13	1.39
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	19	1.39
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	19	1.39
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	19	1.39
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	19	1.39
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	19	1.39
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	19	1.39
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	19	1.39
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	19	1.39
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	19	1.39
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	11	1.39
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	11	1.39
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	11	1.39
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	7	1.38
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	7	1.38
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	7	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	7	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	7	1.38
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	7	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	7	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	7	1.38
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	7	1.38
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	5	1.38
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	5	1.38
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	5	1.38
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	5	1.38
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	5	1.38
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	6	1.38
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	6	1.38
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	6	1.38
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	15	1.38
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	15	1.38
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	15	1.38
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	16	1.38
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	16	1.38
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	16	1.38
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	14	1.38
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	17	1.38
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	17	1.38
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	17	1.38
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	17	1.38
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	17	1.38
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	17	1.38
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	20	1.38
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	20	1.38
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	18	1.37
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	18	1.37
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	18	1.37
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	18	1.37
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	18	1.37
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	18	1.37
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	4	1.37
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	4	1.37
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	4	1.37
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	4	1.37
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	4	1.37
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	4	1.37
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	4	1.37
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	4	1.37
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	4	1.37
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	6	1.37
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	6	1.37
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	6	1.37
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	14	1.37
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	14	1.37
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	14	1.37
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	14	1.37
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	14	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	14	1.37
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	18	1.36
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	18	1.36
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	18	1.36
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	18	1.36
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	18	1.36
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	18	1.36
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	18	1.36
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	18	1.36
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	18	1.36
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	14	1.36
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	14	1.36
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	14	1.36
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	14	1.36
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	14	1.36
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	14	1.36
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	14	1.36
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	14	1.36
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	14	1.36
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	14	1.35
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	14	1.35
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	14	1.35
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	14	1.35
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	14	1.35
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	14	1.35
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	14	1.35
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	14	1.35
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	14	1.35
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	5	1.35
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	5	1.35
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	5	1.35
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	19	1.35
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	19	1.35
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	19	1.35
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	14	1.35
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	14	1.35
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	14	1.35
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	14	1.35
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	14	1.35
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	14	1.35
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	8	1.35
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	8	1.35
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	8	1.35
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	8	1.35
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	8	1.35
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	8	1.35
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	8	1.35
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	8	1.35
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	18	1.35
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	18	1.35
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	18	1.35
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	13	1.35
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	13	1.35
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	13	1.35
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	13	1.35
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	13	1.35
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	13	1.35
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	13	1.35
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	13	1.35
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	13	1.35
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	1	1.34
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	1	1.34
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	1	1.34
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	1	1.34
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	1	1.34
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	1	1.34
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	1	1.34
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	1	1.34
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	1	1.34
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	3	1.34
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	3	1.34
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	3	1.34
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	7	1.34
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	7	1.34
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	7	1.34
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	7	1.34
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	7	1.34
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	7	1.34
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	7	1.34
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	7	1.34
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	7	1.34
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	7	1.34
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	7	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	7	1.34
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE1	8	1.34
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE2	8	1.34
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE1	8	1.34
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE2	8	1.34
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE1	8	1.34
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE2	8	1.34
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	17	1.34
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	17	1.34
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	17	1.34
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	20	1.33
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	20	1.33
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	20	1.33
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	3	1.33
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	3	1.33
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	3	1.33
(1,19)	1:A:13:ILE:HD11	1:A:15:ARG:H	20	1.33
(1,19)	1:A:13:ILE:HD12	1:A:15:ARG:H	20	1.33
(1,19)	1:A:13:ILE:HD13	1:A:15:ARG:H	20	1.33
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	11	1.33
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	18	1.33
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	18	1.33
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	18	1.33
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	12	1.33
(1,957)	1:C:31:VAL:HG21	1:C:36:TRP:HE1	20	1.32
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	20	1.32
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	20	1.32
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	19	1.32
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	19	1.32
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	19	1.32
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	19	1.32
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	19	1.32
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	19	1.32
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	19	1.32
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	19	1.32
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	19	1.32
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	6	1.32
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	2	1.32
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	2	1.32
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	2	1.32
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	12	1.32
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	12	1.32
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	8	1.32
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	8	1.32
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	8	1.32
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	20	1.32
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	20	1.32
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	20	1.32
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	20	1.32
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	20	1.32
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	20	1.32
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	20	1.32
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	20	1.32
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	20	1.32
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	11	1.31
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	11	1.31
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE1	19	1.31
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE2	19	1.31
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE3	19	1.31
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE1	19	1.31
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE2	19	1.31
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE3	19	1.31
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE1	19	1.31
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE2	19	1.31
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE3	19	1.31
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	7	1.31
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	7	1.31
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	7	1.31
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	4	1.31
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	4	1.31
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	4	1.31
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	4	1.31
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD11	15	1.3
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD12	15	1.3
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD13	15	1.3
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD11	15	1.3
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD12	15	1.3
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD13	15	1.3
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD11	15	1.3
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD12	15	1.3
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD13	15	1.3
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	4	1.3
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	4	1.3
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	9	1.3
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	6	1.3
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	6	1.3
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	19	1.3
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	19	1.3
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	19	1.3
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	12	1.3
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	12	1.3
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	12	1.3
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	12	1.3
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	12	1.3
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	12	1.3
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	12	1.3
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	12	1.3
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	12	1.3
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	12	1.29
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	12	1.29
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	12	1.29
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	12	1.29
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	12	1.29
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	12	1.29
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	2	1.29
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	2	1.29
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	2	1.29
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	2	1.29
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	2	1.29
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	2	1.29
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	2	1.29
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	2	1.29
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	2	1.29
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	17	1.29
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	17	1.29
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	17	1.29
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	17	1.29
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	17	1.29
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	17	1.29
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	17	1.29
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	17	1.29
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	17	1.29
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	10	1.29
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	10	1.29
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	15	1.29
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	15	1.29
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	15	1.29
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	15	1.29
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	15	1.29
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	15	1.29
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	15	1.29
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	15	1.29
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	15	1.29
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	14	1.28
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	14	1.28
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	14	1.28
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	12	1.28
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	12	1.28
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	12	1.28
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	12	1.28
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	12	1.28
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	12	1.28
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	12	1.28
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	12	1.28
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	12	1.28
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	7	1.28
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	7	1.28
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	7	1.28
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	7	1.28
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	7	1.28
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	7	1.28
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	7	1.28
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	7	1.28
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	7	1.28
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	12	1.28
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	12	1.28
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	12	1.28
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	2	1.28
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	2	1.28
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	2	1.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	17	1.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	17	1.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	17	1.28
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	4	1.28
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	4	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:C:13:ILE:HD11	1:C:83:ILE:H	3	1.27
(1,888)	1:C:13:ILE:HD12	1:C:83:ILE:H	3	1.27
(1,888)	1:C:13:ILE:HD13	1:C:83:ILE:H	3	1.27
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	18	1.27
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	18	1.27
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	18	1.27
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	18	1.27
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	18	1.27
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	18	1.27
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	18	1.27
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	18	1.27
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	18	1.27
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	6	1.27
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	6	1.27
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	6	1.27
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	9	1.27
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	9	1.27
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	9	1.27
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	12	1.27
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	12	1.27
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	12	1.27
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	12	1.27
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	12	1.27
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	12	1.27
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	12	1.27
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	12	1.27
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	12	1.27
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	11	1.27
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	11	1.27
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	11	1.27
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	14	1.27
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	14	1.27
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	14	1.27
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	4	1.27
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	4	1.27
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	4	1.27
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	4	1.27
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	4	1.27
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	4	1.27
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	4	1.27
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	4	1.27
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	15	1.27
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	8	1.27
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	8	1.27
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	8	1.27
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	8	1.27
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	8	1.27
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	8	1.27
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	8	1.27
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	8	1.27
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	8	1.27
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	12	1.27
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	12	1.27
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	12	1.27
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	19	1.26
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	19	1.26
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	19	1.26
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	2	1.26
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	2	1.26
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	2	1.26
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE1	16	1.26
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE2	16	1.26
(1,1162)	1:C:86:ILE:HD11	1:C:94:MET:HE3	16	1.26
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE1	16	1.26
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE2	16	1.26
(1,1162)	1:C:86:ILE:HD12	1:C:94:MET:HE3	16	1.26
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE1	16	1.26
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE2	16	1.26
(1,1162)	1:C:86:ILE:HD13	1:C:94:MET:HE3	16	1.26
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	12	1.26
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	12	1.26
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	12	1.26
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	3	1.25
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	3	1.25
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	3	1.25
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	3	1.25
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	3	1.25
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	3	1.25
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	3	1.25
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	3	1.25
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	3	1.25
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	7	1.25
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	7	1.25
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	3	1.25
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	3	1.25
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	3	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	3	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	3	1.25
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	3	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	3	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	3	1.25
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	3	1.25
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	1	1.25
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	1	1.25
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	1	1.25
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	1	1.25
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	1	1.25
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	1	1.25
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	3	1.25
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	4	1.25
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	4	1.25
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	4	1.25
(1,886)	1:C:13:ILE:HD11	1:C:15:ARG:H	3	1.24
(1,886)	1:C:13:ILE:HD12	1:C:15:ARG:H	3	1.24
(1,886)	1:C:13:ILE:HD13	1:C:15:ARG:H	3	1.24
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	11	1.24
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	11	1.24
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	11	1.24
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	13	1.24
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	13	1.24
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	13	1.24
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	6	1.24
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	16	1.24
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	16	1.24
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	16	1.24
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	16	1.24
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	16	1.24
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	16	1.24
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	3	1.23
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	6	1.23
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	6	1.23
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	6	1.23
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	6	1.23
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	6	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	6	1.23
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	6	1.23
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	6	1.23
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	6	1.23
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	17	1.23
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	17	1.23
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	17	1.23
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	17	1.23
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	17	1.23
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	17	1.23
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	17	1.23
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	17	1.23
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	17	1.23
(1,20)	1:A:13:ILE:HD11	1:A:16:ILE:HD11	16	1.23
(1,20)	1:A:13:ILE:HD11	1:A:16:ILE:HD12	16	1.23
(1,20)	1:A:13:ILE:HD11	1:A:16:ILE:HD13	16	1.23
(1,20)	1:A:13:ILE:HD12	1:A:16:ILE:HD11	16	1.23
(1,20)	1:A:13:ILE:HD12	1:A:16:ILE:HD12	16	1.23
(1,20)	1:A:13:ILE:HD12	1:A:16:ILE:HD13	16	1.23
(1,20)	1:A:13:ILE:HD13	1:A:16:ILE:HD11	16	1.23
(1,20)	1:A:13:ILE:HD13	1:A:16:ILE:HD12	16	1.23
(1,20)	1:A:13:ILE:HD13	1:A:16:ILE:HD13	16	1.23
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	1	1.23
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	1	1.23
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	1	1.23
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	1	1.23
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	1	1.23
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	1	1.23
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	16	1.23
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	16	1.23
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	16	1.23
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	16	1.23
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	16	1.23
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	16	1.23
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	16	1.23
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	16	1.23
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	16	1.23
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	5	1.23
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	6	1.23
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	6	1.23
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	6	1.23
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD11	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD12	1	1.22
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD13	1	1.22
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD11	1	1.22
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD12	1	1.22
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD13	1	1.22
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD11	1	1.22
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD12	1	1.22
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD13	1	1.22
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	4	1.22
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	4	1.22
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	4	1.22
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	10	1.22
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	10	1.22
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	10	1.22
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	7	1.22
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	7	1.22
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	7	1.22
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	7	1.22
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	7	1.22
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	7	1.22
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	7	1.22
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	7	1.22
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	7	1.22
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	3	1.22
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	3	1.22
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	3	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	6	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	6	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	6	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	10	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	10	1.22
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	10	1.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	10	1.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	10	1.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	10	1.22
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	15	1.22
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	15	1.22
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	15	1.22
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	13	1.22
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	13	1.22
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD21	14	1.22
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD22	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD23	14	1.22
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD21	14	1.22
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD22	14	1.22
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD23	14	1.22
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	18	1.21
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	18	1.21
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	18	1.21
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	1	1.21
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	1	1.21
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	1	1.21
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	1	1.21
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	1	1.21
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	1	1.21
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	1	1.21
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	1	1.21
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	1	1.21
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	12	1.21
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	12	1.21
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	12	1.21
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	12	1.21
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	12	1.21
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	12	1.21
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	12	1.21
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	12	1.21
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	12	1.21
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	14	1.21
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	14	1.21
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	14	1.21
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	11	1.21
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	11	1.21
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	11	1.21
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	19	1.21
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	19	1.21
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	7	1.2
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	7	1.2
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	7	1.2
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	7	1.2
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	7	1.2
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	7	1.2
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	17	1.2
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	17	1.2
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	17	1.2
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	17	1.2
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	17	1.2
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	17	1.2
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	17	1.2
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	17	1.2
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	4	1.2
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	4	1.2
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	4	1.2
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	4	1.2
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	4	1.2
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	4	1.2
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD11	2	1.2
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD12	2	1.2
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD13	2	1.2
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD11	2	1.2
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD12	2	1.2
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD13	2	1.2
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD11	2	1.2
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD12	2	1.2
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD13	2	1.2
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	4	1.2
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	4	1.2
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	4	1.2
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	4	1.2
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	4	1.2
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	4	1.2
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	4	1.2
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	4	1.2
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	4	1.2
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	7	1.2
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	7	1.2
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	7	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	14	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	14	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	14	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	18	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	18	1.2
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	18	1.2
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	10	1.2
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	10	1.2
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	13	1.2
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	13	1.2
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	13	1.2
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	13	1.2
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	13	1.2
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	13	1.2
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	13	1.2
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	13	1.2
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	13	1.2
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	18	1.2
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	18	1.2
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	18	1.2
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	19	1.19
(1,744)	1:B:86:ILE:HD11	1:B:94:MET:HE1	2	1.19
(1,744)	1:B:86:ILE:HD11	1:B:94:MET:HE2	2	1.19
(1,744)	1:B:86:ILE:HD11	1:B:94:MET:HE3	2	1.19
(1,744)	1:B:86:ILE:HD12	1:B:94:MET:HE1	2	1.19
(1,744)	1:B:86:ILE:HD12	1:B:94:MET:HE2	2	1.19
(1,744)	1:B:86:ILE:HD12	1:B:94:MET:HE3	2	1.19
(1,744)	1:B:86:ILE:HD13	1:B:94:MET:HE1	2	1.19
(1,744)	1:B:86:ILE:HD13	1:B:94:MET:HE2	2	1.19
(1,744)	1:B:86:ILE:HD13	1:B:94:MET:HE3	2	1.19
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	16	1.19
(1,406)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	16	1.19
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	16	1.19
(1,406)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	16	1.19
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	16	1.19
(1,406)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	16	1.19
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	2	1.19
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	2	1.19
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	2	1.19
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	19	1.19
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	19	1.19
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	19	1.19
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	19	1.19
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	19	1.19
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	19	1.19
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	19	1.19
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	19	1.19
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	19	1.19
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	18	1.19
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	18	1.19
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	18	1.19
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	18	1.19
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	18	1.19
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	13	1.19
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	13	1.19
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	13	1.19
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	15	1.18
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	15	1.18
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	15	1.18
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	2	1.18
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	13	1.18
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	13	1.18
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	13	1.18
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	6	1.18
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	6	1.18
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	6	1.18
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	2	1.18
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	2	1.18
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	2	1.18
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD21	10	1.17
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD22	10	1.17
(1,810)	1:B:114:ILE:HD11	1:B:126:LEU:HD23	10	1.17
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD21	10	1.17
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD22	10	1.17
(1,810)	1:B:114:ILE:HD12	1:B:126:LEU:HD23	10	1.17
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD21	10	1.17
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD22	10	1.17
(1,810)	1:B:114:ILE:HD13	1:B:126:LEU:HD23	10	1.17
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	10	1.17
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	10	1.17
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	10	1.17
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	10	1.17
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	10	1.17
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	10	1.17
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	10	1.17
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	10	1.17
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	10	1.17
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE1	12	1.17
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE2	12	1.17
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE3	12	1.17
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE1	12	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE2	12	1.17
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE3	12	1.17
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	5	1.17
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	18	1.17
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	18	1.17
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	18	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	18	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	18	1.17
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	18	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	18	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	18	1.17
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	18	1.17
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	1	1.17
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	1	1.17
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	1	1.17
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	1	1.17
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	1	1.17
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	1	1.17
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	1	1.17
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	1	1.17
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	1	1.17
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	17	1.16
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	17	1.16
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	17	1.16
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	17	1.16
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	17	1.16
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	17	1.16
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	17	1.16
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	17	1.16
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	17	1.16
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	19	1.16
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	19	1.16
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	19	1.16
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	19	1.16
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	19	1.16
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	19	1.16
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	19	1.16
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	19	1.16
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	19	1.16
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE1	6	1.16
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE2	6	1.16
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE3	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE1	6	1.16
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE2	6	1.16
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE3	6	1.16
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE1	6	1.16
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE2	6	1.16
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE3	6	1.16
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	19	1.16
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	19	1.16
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	19	1.16
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	19	1.16
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	19	1.16
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	19	1.16
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	11	1.16
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	11	1.16
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	11	1.16
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	11	1.16
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	11	1.16
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	11	1.16
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	11	1.16
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	11	1.16
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	11	1.16
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	5	1.16
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	5	1.16
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	5	1.16
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	1	1.16
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	1	1.16
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	1	1.16
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	15	1.16
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	15	1.16
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	15	1.16
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	14	1.15
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	7	1.15
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	7	1.15
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	7	1.15
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	8	1.15
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	8	1.15
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	8	1.15
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	8	1.15
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	8	1.15
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	8	1.15
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	8	1.15
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	8	1.15
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	15	1.15
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	15	1.15
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	7	1.15
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	7	1.15
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	7	1.15
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	7	1.15
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	7	1.15
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	7	1.15
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	7	1.15
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	7	1.15
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	7	1.15
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	1	1.15
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	1	1.15
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	1	1.15
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	1	1.15
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	1	1.15
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	1	1.15
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	6	1.15
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	6	1.15
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	6	1.15
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	6	1.15
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	6	1.15
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	6	1.15
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	15	1.15
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	15	1.15
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	15	1.15
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	2	1.14
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	2	1.14
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	2	1.14
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	2	1.14
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	2	1.14
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	2	1.14
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	2	1.14
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	2	1.14
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	2	1.14
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	6	1.14
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	6	1.14
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	6	1.14
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	13	1.14
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	13	1.14
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD11	10	1.14
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD12	10	1.14
(1,547)	1:B:42:LEU:HD11	1:B:114:ILE:HD13	10	1.14
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD11	10	1.14
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD12	10	1.14
(1,547)	1:B:42:LEU:HD12	1:B:114:ILE:HD13	10	1.14
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD11	10	1.14
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD12	10	1.14
(1,547)	1:B:42:LEU:HD13	1:B:114:ILE:HD13	10	1.14
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	10	1.14
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	10	1.14
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	10	1.14
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	10	1.14
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	10	1.14
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	10	1.14
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	10	1.14
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	10	1.14
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	10	1.14
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	19	1.14
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	19	1.14
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	19	1.14
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	19	1.14
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	19	1.14
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	19	1.14
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	19	1.14
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	19	1.14
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	19	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	8	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	8	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	8	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	16	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	16	1.14
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	16	1.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	11	1.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	11	1.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	11	1.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	11	1.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	11	1.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	11	1.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	11	1.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	11	1.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	6	1.14
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	6	1.14
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	6	1.14
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	6	1.14
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	6	1.14
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	6	1.14
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	13	1.14
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	1	1.14
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	2	1.13
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	2	1.13
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	2	1.13
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	4	1.13
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	4	1.13
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	4	1.13
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	4	1.13
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	4	1.13
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	4	1.13
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	4	1.13
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	4	1.13
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	4	1.13
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	14	1.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	5	1.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	5	1.13
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	5	1.13
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	14	1.13
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	14	1.13
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	14	1.13
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	12	1.13
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	12	1.13
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	12	1.13
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	10	1.13
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	10	1.13
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	10	1.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	10	1.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	10	1.13
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	10	1.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	10	1.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	10	1.13
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	10	1.13
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	14	1.13
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	14	1.13
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD21	1	1.13
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD22	1	1.13
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD23	1	1.13
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD21	1	1.13
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD22	1	1.13
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD23	1	1.13
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	15	1.12
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	8	1.12
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	8	1.12
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	8	1.12
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	9	1.12
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	9	1.12
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	8	1.12
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	8	1.12
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	8	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	8	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	8	1.12
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	8	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	8	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	8	1.12
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	8	1.12
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	5	1.12
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	5	1.12
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	5	1.12
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	5	1.12
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	5	1.12
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	5	1.12
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	5	1.12
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	5	1.12
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	5	1.12
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	3	1.11
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	3	1.11
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE3	3	1.11
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE1	3	1.11
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE2	3	1.11
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE3	3	1.11
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	19	1.11
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	5	1.11
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	5	1.11
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	5	1.11
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	5	1.11
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	5	1.11
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	5	1.11
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	5	1.11
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	5	1.11
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	20	1.11
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	20	1.11
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	20	1.11
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	5	1.11
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	5	1.11
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	5	1.11
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	18	1.11
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	18	1.11
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	18	1.11
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	18	1.11
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	18	1.11
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	18	1.11
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	18	1.11
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	18	1.11
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	18	1.11
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	10	1.11
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	7	1.11
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	12	1.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	3	1.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	3	1.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	3	1.11
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	4	1.1
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	4	1.1
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	4	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	4	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	4	1.1
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	4	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	4	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	4	1.1
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	4	1.1
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE1	1	1.1
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE2	1	1.1
(1,618)	1:B:56:TYR:HD1	1:B:94:MET:HE3	1	1.1
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE1	1	1.1
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE2	1	1.1
(1,618)	1:B:56:TYR:HD2	1:B:94:MET:HE3	1	1.1
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	2	1.1
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	2	1.1
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	7	1.1
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	7	1.1
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	7	1.1
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	2	1.1
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	2	1.1
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	2	1.1
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD21	1	1.1
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD22	1	1.1
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD23	1	1.1
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD21	1	1.1
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD22	1	1.1
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD23	1	1.1
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD21	1	1.1
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD22	1	1.1
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD23	1	1.1
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	19	1.1
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	19	1.1
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	12	1.09
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	12	1.09
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	12	1.09
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	12	1.09
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	12	1.09
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	12	1.09
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	12	1.09
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	12	1.09
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	12	1.09
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	20	1.09
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD21	1	1.09
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD22	1	1.09
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD23	1	1.09
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD21	1	1.09
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD22	1	1.09
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD23	1	1.09
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD21	1	1.09
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD22	1	1.09
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD23	1	1.09
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	3	1.09
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	7	1.09
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	18	1.09
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	18	1.09
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	18	1.09
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	18	1.09
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	18	1.09
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	13	1.09
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	13	1.09
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	13	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	13	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	13	1.09
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	13	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	13	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	13	1.09
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	13	1.09
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	18	1.08
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	18	1.08
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	18	1.08
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD21	11	1.08
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD22	11	1.08
(1,1372)	1:D:40:VAL:HG11	1:D:126:LEU:HD23	11	1.08
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD21	11	1.08
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD22	11	1.08
(1,1372)	1:D:40:VAL:HG12	1:D:126:LEU:HD23	11	1.08
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD21	11	1.08
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD22	11	1.08
(1,1372)	1:D:40:VAL:HG13	1:D:126:LEU:HD23	11	1.08
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	16	1.08
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	16	1.08
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	16	1.08
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	16	1.08
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	16	1.08
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	16	1.08
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	16	1.08
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	16	1.08
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	16	1.08
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	5	1.08
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	5	1.08
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	5	1.08
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	10	1.07
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	10	1.07
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	14	1.07
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	14	1.07
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	14	1.07
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	14	1.07
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	14	1.07
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	14	1.07
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	14	1.07
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	14	1.07
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	3	1.07
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	7	1.07
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	7	1.07
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	7	1.07
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	7	1.07
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	7	1.07
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	7	1.07
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	6	1.07
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	13	1.07
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	13	1.07
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	13	1.07
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	11	1.07
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	11	1.07
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD1	19	1.06
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD2	19	1.06
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD1	19	1.06
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD2	19	1.06
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD1	19	1.06
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD2	19	1.06
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	17	1.06
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	17	1.06
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	17	1.06
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	17	1.06
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	17	1.06
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	17	1.06
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	7	1.06
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	7	1.06
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	7	1.06
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	7	1.06
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	7	1.06
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	7	1.06
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	7	1.06
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	7	1.06
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	7	1.06
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	13	1.06
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	13	1.06
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	3	1.06
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	3	1.06
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	3	1.06
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	17	1.06
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	17	1.06
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	11	1.06
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	9	1.06
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	9	1.06
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	12	1.05
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	12	1.05
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	12	1.05
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	12	1.05
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	12	1.05
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	12	1.05
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	12	1.05
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	12	1.05
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	12	1.05
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	1	1.05
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	5	1.05
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	5	1.05
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	5	1.05
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	5	1.05
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	5	1.05
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	5	1.05
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	5	1.05
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	5	1.05
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	5	1.05
(1,513)	1:B:31:VAL:HG11	1:B:32:PHE:H	6	1.05
(1,513)	1:B:31:VAL:HG12	1:B:32:PHE:H	6	1.05
(1,513)	1:B:31:VAL:HG13	1:B:32:PHE:H	6	1.05
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	4	1.05
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	11	1.05
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	10	1.05
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	10	1.05
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	10	1.05
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	10	1.05
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	10	1.05
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	10	1.05
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD11	3	1.05
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD12	3	1.05
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD13	3	1.05
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD11	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD12	3	1.05
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD13	3	1.05
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD11	3	1.05
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD12	3	1.05
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD13	3	1.05
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	15	1.05
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	15	1.05
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	15	1.05
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	11	1.04
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	11	1.04
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	11	1.04
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	15	1.04
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	15	1.04
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	15	1.04
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	18	1.04
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	18	1.04
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	18	1.04
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	18	1.04
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	18	1.04
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	18	1.04
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	18	1.04
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	18	1.04
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	18	1.04
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	2	1.04
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	20	1.04
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	20	1.04
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	20	1.04
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	20	1.04
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	20	1.04
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	20	1.04
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	6	1.04
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	6	1.04
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	6	1.04
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	6	1.04
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	6	1.04
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	6	1.04
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	6	1.04
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	6	1.04
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	6	1.04
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	1	1.04
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	16	1.04
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	6	1.04

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD23	12	1.03
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	7	1.02
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	2	1.02
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	9	1.02
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	9	1.02
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	9	1.02
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	14	1.02
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	14	1.02
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	14	1.02
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	14	1.02
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	14	1.02
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	14	1.02
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	14	1.02
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	14	1.02
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	14	1.02
(1,1444)	1:D:58:VAL:HG21	1:D:82:GLY:H	2	1.02
(1,1444)	1:D:58:VAL:HG22	1:D:82:GLY:H	2	1.02
(1,1444)	1:D:58:VAL:HG23	1:D:82:GLY:H	2	1.02
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	17	1.02
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	17	1.02
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	14	1.02
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	14	1.02
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	9	1.02
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	17	1.02
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	20	1.01
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	20	1.01
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	20	1.01
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	8	1.01
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD11	13	1.01
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD12	13	1.01
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD13	13	1.01
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD11	13	1.01
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD12	13	1.01
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD13	13	1.01
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD11	13	1.01
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD12	13	1.01
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD13	13	1.01
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD21	12	1.01
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD22	12	1.01
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD23	12	1.01
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD21	12	1.01
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD22	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD23	12	1.01
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD21	12	1.01
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD22	12	1.01
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD23	12	1.01
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	14	1.01
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	14	1.01
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	14	1.01
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG21	8	1.01
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG22	8	1.01
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG23	8	1.01
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG21	8	1.01
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG22	8	1.01
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG23	8	1.01
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG21	8	1.01
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG22	8	1.01
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG23	8	1.01
(1,404)	1:A:131:VAL:HG11	1:A:133:PHE:H	2	1.01
(1,404)	1:A:131:VAL:HG12	1:A:133:PHE:H	2	1.01
(1,404)	1:A:131:VAL:HG13	1:A:133:PHE:H	2	1.01
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	7	1.01
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	7	1.01
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	7	1.01
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	7	1.01
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	7	1.01
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	7	1.01
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	7	1.01
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	7	1.01
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	7	1.01
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	16	1.01
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	16	1.01
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	16	1.01
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	16	1.01
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	16	1.01
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	16	1.01
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	16	1.01
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	16	1.01
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	16	1.01
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	3	1.01
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	3	1.01
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	3	1.01
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	20	1.01
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	20	1.01
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD21	5	1.01
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD22	5	1.01
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD23	5	1.01
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD21	5	1.01
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD22	5	1.01
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD23	5	1.01
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	6	1.01
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	6	1.01
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	6	1.01
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	6	1.01
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	6	1.01
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	6	1.01
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	6	1.01
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	6	1.01
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	6	1.01
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	13	1.01
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	13	1.01
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	13	1.01
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	13	1.01
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	13	1.01
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	13	1.01
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	13	1.01
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	13	1.01
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	13	1.01
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	8	1.0
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	8	1.0
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	8	1.0
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	8	1.0
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	8	1.0
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	8	1.0
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	8	1.0
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	8	1.0
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	8	1.0
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	12	1.0
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	19	1.0
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	19	1.0
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	19	1.0
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	2	1.0
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	2	1.0
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	2	1.0
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	2	1.0
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	2	1.0
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	11	1.0
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	11	1.0
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	11	1.0
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	6	1.0
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	6	1.0
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	6	1.0
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	6	1.0
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	6	1.0
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	6	1.0
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	6	1.0
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	6	1.0
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	6	1.0
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	12	1.0
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	12	1.0
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	12	1.0
(1,513)	1:B:31:VAL:HG11	1:B:32:PHE:H	12	1.0
(1,513)	1:B:31:VAL:HG12	1:B:32:PHE:H	12	1.0
(1,513)	1:B:31:VAL:HG13	1:B:32:PHE:H	12	1.0
(1,513)	1:B:31:VAL:HG11	1:B:32:PHE:H	16	1.0
(1,513)	1:B:31:VAL:HG12	1:B:32:PHE:H	16	1.0
(1,513)	1:B:31:VAL:HG13	1:B:32:PHE:H	16	1.0
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	6	1.0
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	6	1.0
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	6	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	6	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	6	1.0
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	6	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	6	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	6	1.0
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	6	1.0
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	10	1.0
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	10	1.0
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	10	1.0
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	16	1.0
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	16	1.0
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	3	1.0
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	16	1.0
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	13	1.0
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	13	1.0
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	16	1.0
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	16	1.0
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	3	1.0
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	3	1.0
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	5	1.0
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	5	1.0
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	5	1.0
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	5	1.0
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	5	1.0
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	5	1.0
(1,953)	1:C:31:VAL:HG11	1:C:32:PHE:H	1	0.99
(1,953)	1:C:31:VAL:HG12	1:C:32:PHE:H	1	0.99
(1,953)	1:C:31:VAL:HG13	1:C:32:PHE:H	1	0.99
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	2	0.99
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	19	0.99
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	19	0.99
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	19	0.99
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	19	0.99
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	19	0.99
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	19	0.99
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	9	0.99
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	9	0.99
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	9	0.99
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	7	0.99
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	7	0.99
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	7	0.99
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	7	0.99
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	7	0.99
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	7	0.99
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	7	0.99
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	7	0.99
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	7	0.99
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	13	0.99
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	13	0.99
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	13	0.99
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	18	0.99
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	18	0.99
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	18	0.99
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	18	0.99
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	18	0.99
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	18	0.99
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	18	0.99
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	18	0.99
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	19	0.99
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	3	0.99
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	3	0.99
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	3	0.99
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	20	0.99
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	12	0.99
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	11	0.99
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	14	0.99
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	14	0.99
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	14	0.99
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	14	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	1	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	1	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	1	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	1	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	1	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	1	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	1	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	1	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	1	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	17	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	17	0.98
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	17	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	17	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	17	0.98
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	17	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	17	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	17	0.98
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	17	0.98
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	10	0.98
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	10	0.98
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	10	0.98
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	10	0.98
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	10	0.98
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	10	0.98
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	10	0.98
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	10	0.98
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	10	0.98
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	16	0.98
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	16	0.98
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	16	0.98
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	16	0.98
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	16	0.98
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	16	0.98
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	16	0.98
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	16	0.98
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	12	0.98
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	12	0.98
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	12	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	12	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	12	0.98
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	12	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	12	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	12	0.98
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	12	0.98
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	10	0.98
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	10	0.98
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	10	0.98
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD11	6	0.98
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD12	6	0.98
(1,1398)	1:D:47:ALA:H	1:D:98:LEU:HD13	6	0.98
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	20	0.98
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	20	0.98
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	20	0.98
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	20	0.98
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	20	0.98
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	20	0.98
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	20	0.98
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	20	0.98
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	20	0.98
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	5	0.98
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	5	0.98
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	13	0.98
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	5	0.98
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	5	0.98
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	5	0.98
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	6	0.97
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	6	0.97
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	6	0.97
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	15	0.97
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	15	0.97
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	15	0.97
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	15	0.97
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	15	0.97
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	15	0.97
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	15	0.97
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	10	0.97
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	10	0.97
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	10	0.97
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	19	0.97
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	19	0.97
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	19	0.97
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	19	0.97
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	19	0.97
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	19	0.97
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	19	0.97
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	19	0.97
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	19	0.97
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD11	2	0.97
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD12	2	0.97
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD13	2	0.97
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD11	2	0.97
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD12	2	0.97
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD13	2	0.97
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD11	2	0.97
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD12	2	0.97
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD13	2	0.97
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	7	0.97
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	7	0.97
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	7	0.97
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	7	0.97
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	7	0.97
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	7	0.97
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	6	0.97
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	6	0.97
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	6	0.97
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	6	0.97
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	6	0.97
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	6	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	4	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	4	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	4	0.97
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	4	0.97
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	4	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	4	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	4	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	4	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	5	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	5	0.97
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	5	0.97
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	5	0.97
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	5	0.97
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	5	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	5	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	5	0.97
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	5	0.97
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	7	0.97
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	7	0.97
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	7	0.97
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	13	0.97
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	7	0.97
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	8	0.97
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	6	0.96
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	6	0.96
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	6	0.96
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	18	0.96
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	18	0.96
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	18	0.96
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	18	0.96
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	18	0.96
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	18	0.96
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	4	0.96
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	4	0.96
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	4	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	4	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	4	0.96
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	4	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	4	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	4	0.96
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	4	0.96
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	16	0.96
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	16	0.96
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	13	0.96
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	13	0.96
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	13	0.96
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	1	0.96
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	5	0.96
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE1	4	0.96
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE2	4	0.96
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE3	4	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE1	4	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE2	4	0.96
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE3	4	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE1	4	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE2	4	0.96
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE3	4	0.96
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	1	0.96
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	1	0.96
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	1	0.96
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	1	0.96
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	1	0.96
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	1	0.96
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	19	0.96
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	19	0.96
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	19	0.96
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	19	0.96
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	19	0.96
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	19	0.96
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	19	0.96
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	19	0.96
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	19	0.96
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	6	0.95
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	6	0.95
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	6	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	6	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	6	0.95
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	6	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	6	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	6	0.95
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	6	0.95
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	7	0.95
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	11	0.95
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	11	0.95
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	2	0.95
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	2	0.95
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	2	0.95
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	2	0.95
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	2	0.95
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	2	0.95
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	2	0.95
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	2	0.95
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	2	0.95
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	5	0.95
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	5	0.95
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	5	0.95
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	16	0.95
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	16	0.95
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	16	0.95
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	5	0.95
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	5	0.95
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	7	0.95
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	7	0.95
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	7	0.95
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	20	0.95
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	20	0.95
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	13	0.95
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	3	0.95
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	3	0.95
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	3	0.95
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	18	0.94
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	18	0.94
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	18	0.94
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	18	0.94
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	18	0.94
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	18	0.94
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	18	0.94
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	18	0.94
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	18	0.94
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	13	0.94
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	13	0.94
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	13	0.94
(1,398)	1:A:126:LEU:HD11	1:A:127:ASN:H	16	0.94
(1,398)	1:A:126:LEU:HD12	1:A:127:ASN:H	16	0.94
(1,398)	1:A:126:LEU:HD13	1:A:127:ASN:H	16	0.94
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	3	0.94
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	3	0.94
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	17	0.94
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	17	0.94
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	17	0.94
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	17	0.94
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	17	0.94
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	17	0.94
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	15	0.94
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	11	0.94
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	14	0.94
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	5	0.94
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	4	0.94
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	4	0.94
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	4	0.94
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	4	0.94
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	4	0.94
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	4	0.94
(1,886)	1:C:13:ILE:HD11	1:C:15:ARG:H	1	0.93
(1,886)	1:C:13:ILE:HD12	1:C:15:ARG:H	1	0.93
(1,886)	1:C:13:ILE:HD13	1:C:15:ARG:H	1	0.93
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	7	0.93
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	19	0.93
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG21	1	0.93
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG22	1	0.93
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG23	1	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG21	1	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG22	1	0.93
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG23	1	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG21	1	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG22	1	0.93
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG23	1	0.93
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	15	0.93
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	15	0.93
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	15	0.93
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	15	0.93
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	15	0.93
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	15	0.93
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	15	0.93
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	15	0.93
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	18	0.93
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	17	0.93
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	17	0.93
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	17	0.93
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	17	0.93
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	17	0.93
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	17	0.93
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	17	0.93
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	17	0.93
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	6	0.93
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	6	0.93
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	6	0.93
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	6	0.93
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	6	0.93
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	6	0.93
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	6	0.93
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	6	0.93
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	6	0.93
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	10	0.93
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	1	0.93
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	1	0.93
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	1	0.93
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	1	0.93
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	1	0.93
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	1	0.93
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	1	0.93
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	1	0.93
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	1	0.93
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	16	0.92
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	4	0.92
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	4	0.92
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	4	0.92
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	7	0.92
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	7	0.92
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	7	0.92
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	6	0.92
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	6	0.92
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	6	0.92
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	6	0.92
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	6	0.92
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	6	0.92
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	15	0.92
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	15	0.92
(1,564)	1:B:44:LEU:HD11	1:B:45:ASP:H	12	0.92
(1,564)	1:B:44:LEU:HD12	1:B:45:ASP:H	12	0.92
(1,564)	1:B:44:LEU:HD13	1:B:45:ASP:H	12	0.92
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	1	0.92
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	1	0.92
(1,22)	1:A:13:ILE:HD11	1:A:84:PHE:HD1	11	0.92
(1,22)	1:A:13:ILE:HD11	1:A:84:PHE:HD2	11	0.92
(1,22)	1:A:13:ILE:HD12	1:A:84:PHE:HD1	11	0.92
(1,22)	1:A:13:ILE:HD12	1:A:84:PHE:HD2	11	0.92
(1,22)	1:A:13:ILE:HD13	1:A:84:PHE:HD1	11	0.92
(1,22)	1:A:13:ILE:HD13	1:A:84:PHE:HD2	11	0.92
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	4	0.92
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	9	0.91
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	10	0.91
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD11	12	0.91
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD12	12	0.91
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD13	12	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD11	12	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD12	12	0.91
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD13	12	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD11	12	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD12	12	0.91
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD13	12	0.91
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	13	0.91
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	13	0.91
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	13	0.91
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	13	0.91
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	13	0.91
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	13	0.91
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	13	0.91
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	13	0.91
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	13	0.91
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	8	0.91
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	8	0.91
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	6	0.91
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	6	0.91
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	6	0.91
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	6	0.91
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	17	0.9
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	13	0.9
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	13	0.9
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	13	0.9
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	13	0.9
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	13	0.9
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	13	0.9
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	13	0.9
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	13	0.9
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD21	10	0.9
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD22	10	0.9
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD23	10	0.9
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD21	10	0.9
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD22	10	0.9
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD23	10	0.9
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD21	10	0.9
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD22	10	0.9
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD23	10	0.9
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	14	0.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	6	0.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	6	0.9
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	6	0.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	6	0.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	6	0.9
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	6	0.9
(1,18)	1:A:13:ILE:HD11	1:A:14:GLN:H	20	0.9
(1,18)	1:A:13:ILE:HD12	1:A:14:GLN:H	20	0.9
(1,18)	1:A:13:ILE:HD13	1:A:14:GLN:H	20	0.9
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	8	0.9
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	8	0.9
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	8	0.9
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	11	0.9
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	11	0.9
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	11	0.9
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	11	0.9
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	11	0.9
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	11	0.9
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	19	0.9
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	19	0.9
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	19	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	19	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	19	0.9
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	19	0.9
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	19	0.9
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	19	0.9
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	16	0.9
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	16	0.9
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	16	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	16	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	16	0.9
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	16	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	16	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	16	0.9
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	16	0.9
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	8	0.9
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	12	0.9
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	12	0.9
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	12	0.9
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	8	0.89
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	8	0.89
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	8	0.89
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	8	0.89
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	8	0.89
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	8	0.89
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	8	0.89
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	8	0.89
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	8	0.89
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	11	0.89
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	11	0.89
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	11	0.89
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	6	0.89
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	6	0.89
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	6	0.89
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	6	0.89
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	6	0.89
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	6	0.89
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	20	0.89
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	20	0.89
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	20	0.89
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	7	0.89
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	3	0.89
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	3	0.89
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	3	0.89
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	3	0.89
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	3	0.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	3	0.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	3	0.89
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	3	0.89
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	2	0.89
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	14	0.89
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	2	0.89
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	1	0.89
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	1	0.89
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	1	0.89
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	17	0.89
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	17	0.89
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	17	0.89
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	16	0.88
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	16	0.88
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	16	0.88
(1,885)	1:C:13:ILE:HD11	1:C:14:GLN:H	3	0.88
(1,885)	1:C:13:ILE:HD12	1:C:14:GLN:H	3	0.88
(1,885)	1:C:13:ILE:HD13	1:C:14:GLN:H	3	0.88
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	10	0.88
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	10	0.88
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	10	0.88
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	10	0.88
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	10	0.88
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	10	0.88
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	10	0.88
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	10	0.88
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	10	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	5	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	5	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	5	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	5	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	5	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	5	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	5	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	5	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	5	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	14	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	14	0.88
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	14	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	14	0.88
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	14	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	14	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	14	0.88
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	14	0.88
(1,1480)	1:D:64:VAL:HG21	1:D:128:LEU:HD11	15	0.88
(1,1480)	1:D:64:VAL:HG21	1:D:128:LEU:HD12	15	0.88
(1,1480)	1:D:64:VAL:HG21	1:D:128:LEU:HD13	15	0.88
(1,1480)	1:D:64:VAL:HG22	1:D:128:LEU:HD11	15	0.88
(1,1480)	1:D:64:VAL:HG22	1:D:128:LEU:HD12	15	0.88
(1,1480)	1:D:64:VAL:HG22	1:D:128:LEU:HD13	15	0.88
(1,1480)	1:D:64:VAL:HG23	1:D:128:LEU:HD11	15	0.88
(1,1480)	1:D:64:VAL:HG23	1:D:128:LEU:HD12	15	0.88
(1,1480)	1:D:64:VAL:HG23	1:D:128:LEU:HD13	15	0.88
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	3	0.88
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	3	0.88
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	20	0.88
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	6	0.88
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	15	0.88
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	15	0.88
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	15	0.88
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	15	0.88
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	15	0.88
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	15	0.88
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	15	0.88
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	15	0.88
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	15	0.88
(1,888)	1:C:13:ILE:HD11	1:C:83:ILE:H	2	0.87
(1,888)	1:C:13:ILE:HD12	1:C:83:ILE:H	2	0.87
(1,888)	1:C:13:ILE:HD13	1:C:83:ILE:H	2	0.87
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	3	0.87
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	3	0.87
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	3	0.87
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	13	0.87
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	13	0.87
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	13	0.87
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	16	0.87
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	16	0.87
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	16	0.87
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	16	0.87
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	16	0.87
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	16	0.87
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	20	0.87
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	20	0.87
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	20	0.87
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	20	0.87
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	20	0.87
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	20	0.87
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	20	0.87
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	20	0.87
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	8	0.87
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	8	0.87
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	8	0.87
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	8	0.87
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	8	0.87
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	8	0.87
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	8	0.87
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	8	0.87
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	8	0.87
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	1	0.87
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	1	0.87
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	1	0.87
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	1	0.87
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	1	0.87
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	1	0.87
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	1	0.87
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	1	0.87
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	1	0.87
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	1	0.87
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	1	0.87
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	13	0.87
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	13	0.87
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	13	0.87
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	13	0.87
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	13	0.87
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	13	0.87
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	13	0.87
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	13	0.87
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	13	0.87
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD1	15	0.86
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD2	15	0.86
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD1	15	0.86
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD2	15	0.86
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD1	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD2	15	0.86
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	5	0.86
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	4	0.86
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	4	0.86
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	4	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	4	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	4	0.86
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	4	0.86
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	4	0.86
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	4	0.86
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	4	0.86
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	17	0.86
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	17	0.86
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	17	0.86
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	19	0.86
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	19	0.86
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	19	0.86
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	15	0.86
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	15	0.86
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	15	0.86
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	16	0.86
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	16	0.86
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	16	0.86
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	16	0.86
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	16	0.86
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	16	0.86
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	1	0.86
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	1	0.86
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	1	0.86
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	14	0.86
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	14	0.86
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	14	0.86
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	14	0.86
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	14	0.86
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	14	0.86
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	14	0.86
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	14	0.86
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	14	0.86
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	6	0.86
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	11	0.86
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	11	0.86
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	11	0.86
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	11	0.86
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	11	0.86
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	11	0.86
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	11	0.86
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	11	0.86
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	5	0.86
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	11	0.85
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	4	0.85
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	4	0.85
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	4	0.85
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	4	0.85
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	4	0.85
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	4	0.85
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	20	0.85
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	20	0.85
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	20	0.85
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	8	0.85
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	8	0.85
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	9	0.85
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	17	0.85
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	17	0.85
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	17	0.85
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	17	0.85
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	17	0.85
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	17	0.85
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	17	0.85
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	17	0.85
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	17	0.85
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	2	0.85
(1,886)	1:C:13:ILE:HD11	1:C:15:ARG:H	2	0.84
(1,886)	1:C:13:ILE:HD12	1:C:15:ARG:H	2	0.84
(1,886)	1:C:13:ILE:HD13	1:C:15:ARG:H	2	0.84
(1,835)	1:B:128:LEU:HD21	1:B:129:ALA:H	1	0.84
(1,835)	1:B:128:LEU:HD22	1:B:129:ALA:H	1	0.84
(1,835)	1:B:128:LEU:HD23	1:B:129:ALA:H	1	0.84
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	12	0.84
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	12	0.84
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	12	0.84
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG21	12	0.84
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG22	12	0.84
(1,546)	1:B:42:LEU:HD11	1:B:64:VAL:HG23	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG21	12	0.84
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG22	12	0.84
(1,546)	1:B:42:LEU:HD12	1:B:64:VAL:HG23	12	0.84
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG21	12	0.84
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG22	12	0.84
(1,546)	1:B:42:LEU:HD13	1:B:64:VAL:HG23	12	0.84
(1,404)	1:A:131:VAL:HG11	1:A:133:PHE:H	18	0.84
(1,404)	1:A:131:VAL:HG12	1:A:133:PHE:H	18	0.84
(1,404)	1:A:131:VAL:HG13	1:A:133:PHE:H	18	0.84
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	8	0.84
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	18	0.84
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	18	0.84
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	18	0.84
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	18	0.84
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	18	0.84
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	18	0.84
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	20	0.84
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	20	0.84
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	20	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	8	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	8	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	8	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	8	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	8	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	8	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	8	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	8	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	8	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	10	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	10	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	10	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	10	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	10	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	10	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	10	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	10	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	10	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	20	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	20	0.84
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	20	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	20	0.84
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	20	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	20	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	20	0.84
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	20	0.84
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	3	0.84
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	3	0.84
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	16	0.84
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	13	0.84
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	13	0.84
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	13	0.84
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	13	0.84
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	13	0.84
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	13	0.84
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	13	0.84
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	13	0.84
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	13	0.84
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	13	0.84
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	17	0.84
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	17	0.84
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	17	0.84
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	17	0.84
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	17	0.84
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	17	0.84
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	2	0.83
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	2	0.83
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	2	0.83
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	2	0.83
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	2	0.83
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	18	0.83
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	14	0.83
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	14	0.83
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	14	0.83
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	16	0.83
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	19	0.83
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	19	0.83
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	11	0.83
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	1	0.83
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	8	0.83
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	8	0.83
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	8	0.83
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	2	0.83
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	2	0.83
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	2	0.83
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	2	0.83
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	2	0.83
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	2	0.83
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	2	0.83
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	2	0.83
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	18	0.83
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	15	0.83
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	19	0.83
(1,852)	1:B:135:ALA:HB1	1:D:13:ILE:H	17	0.82
(1,852)	1:B:135:ALA:HB2	1:D:13:ILE:H	17	0.82
(1,852)	1:B:135:ALA:HB3	1:D:13:ILE:H	17	0.82
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	20	0.82
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	12	0.82
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	12	0.82
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	12	0.82
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	5	0.82
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	8	0.82
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	8	0.82
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	8	0.82
(1,1659)	1:D:136:LEU:H	1:D:139:ASN:H	6	0.82
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	20	0.82
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	20	0.82
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	20	0.82
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	20	0.82
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	20	0.82
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	20	0.82
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	20	0.82
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	20	0.82
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	20	0.82
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	15	0.82
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	15	0.82
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	15	0.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	2	0.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	2	0.82
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	2	0.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	2	0.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	2	0.82
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	2	0.82
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	2	0.82
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	2	0.82
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	2	0.82
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	2	0.82
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	2	0.82
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	2	0.82
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	2	0.82
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	2	0.82
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	2	0.82
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	2	0.82
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	2	0.82
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	19	0.82
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	19	0.82
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	19	0.82
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	19	0.82
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	19	0.82
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	19	0.82
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	19	0.82
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	19	0.82
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	19	0.82
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	6	0.82
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	6	0.82
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	15	0.81
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	15	0.81
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	15	0.81
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	15	0.81
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	15	0.81
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	15	0.81
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	15	0.81
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	15	0.81
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	15	0.81
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	12	0.81
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	12	0.81
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	12	0.81
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	12	0.81
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	12	0.81
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	12	0.81
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	12	0.81
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	12	0.81
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	12	0.81
(1,526)	1:B:36:TRP:HE1	1:B:37:GLN:H	5	0.81
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	4	0.81
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	4	0.81
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	20	0.81
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	18	0.81
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	18	0.81
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	18	0.81
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	12	0.81
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	12	0.81
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	12	0.81
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	9	0.81
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	9	0.81
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	9	0.81
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	11	0.81
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	11	0.81
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	11	0.81
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	11	0.81
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	11	0.81
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	11	0.81
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	6	0.81
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	6	0.81
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	6	0.81
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	20	0.81
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	20	0.81
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	20	0.81
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	20	0.81
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	5	0.81
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	5	0.81
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	5	0.81
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	5	0.8
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	5	0.8
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	5	0.8
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	16	0.8
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	16	0.8
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	16	0.8
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	17	0.8
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	17	0.8
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	17	0.8
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	1	0.8
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	1	0.8
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	1	0.8
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	20	0.8
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	20	0.8
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	13	0.8
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	2	0.8
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	2	0.8
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	2	0.8
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	2	0.8
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	4	0.79
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	4	0.79
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	4	0.79
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	8	0.79
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	8	0.79
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	8	0.79
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	18	0.79
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	18	0.79
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	18	0.79
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	18	0.79
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	18	0.79
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	18	0.79
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	18	0.79
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	18	0.79
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	18	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	7	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	7	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	7	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	7	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	7	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	7	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	10	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	10	0.79
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	10	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	10	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	10	0.79
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	10	0.79
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	7	0.79
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	4	0.79
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	4	0.79
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	4	0.79
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	13	0.79
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	12	0.79
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	12	0.79
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	12	0.79
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	12	0.79
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	12	0.79
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	7	0.79
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	7	0.79
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD21	20	0.79
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD22	20	0.79
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD23	20	0.79
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD21	20	0.79
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD22	20	0.79
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD23	20	0.79
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	2	0.79
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	7	0.79
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	15	0.79
(1,885)	1:C:13:ILE:HD11	1:C:14:GLN:H	2	0.78
(1,885)	1:C:13:ILE:HD12	1:C:14:GLN:H	2	0.78
(1,885)	1:C:13:ILE:HD13	1:C:14:GLN:H	2	0.78
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	5	0.78
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	5	0.78
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	5	0.78
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	5	0.78
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	5	0.78
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	5	0.78
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	5	0.78
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	5	0.78
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	5	0.78
(1,513)	1:B:31:VAL:HG11	1:B:32:PHE:H	17	0.78
(1,513)	1:B:31:VAL:HG12	1:B:32:PHE:H	17	0.78
(1,513)	1:B:31:VAL:HG13	1:B:32:PHE:H	17	0.78
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	8	0.78
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	16	0.78
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	16	0.78
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	16	0.78
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	16	0.78
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	16	0.78
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	16	0.78
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	16	0.78
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	16	0.78
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	16	0.78
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	1	0.78
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	14	0.78
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	14	0.78
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	14	0.78
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	20	0.78
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	20	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	20	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	20	0.78
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	20	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	20	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	20	0.78
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	20	0.78
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	13	0.78
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	5	0.77
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	5	0.77
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	5	0.77
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD11	3	0.77
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD12	3	0.77
(1,681)	1:B:65:THR:H	1:B:126:LEU:HD13	3	0.77
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	15	0.77
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	15	0.77
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	15	0.77
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	15	0.77
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	15	0.77
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	15	0.77
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	15	0.77
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	15	0.77
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	15	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	10	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	10	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	10	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	10	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	10	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	10	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	15	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	15	0.77
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	15	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	15	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	15	0.77
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	15	0.77
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	17	0.77
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	18	0.77
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	3	0.77
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	3	0.77
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	3	0.77
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	3	0.77
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	3	0.77
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	1	0.77
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	1	0.77
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	1	0.77
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	1	0.77
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	1	0.77
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	1	0.77
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	1	0.77
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	1	0.77
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	1	0.77
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	10	0.77
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	10	0.77
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	10	0.77
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	3	0.77
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	3	0.77
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	3	0.77
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	3	0.77
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	3	0.77
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	3	0.77
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	3	0.77
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	3	0.77
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	3	0.77
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	17	0.77
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	5	0.77
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	5	0.77
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	5	0.77
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	5	0.77
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	5	0.77
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	5	0.77
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	5	0.77
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	5	0.77
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	5	0.77
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	1	0.77
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	1	0.77
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	1	0.77
(1,956)	1:C:31:VAL:HG21	1:C:34:LYS:H	17	0.76
(1,956)	1:C:31:VAL:HG22	1:C:34:LYS:H	17	0.76
(1,956)	1:C:31:VAL:HG23	1:C:34:LYS:H	17	0.76
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	12	0.76
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	12	0.76
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	18	0.76
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	18	0.76
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	18	0.76
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	14	0.76
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	14	0.76
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	14	0.76
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	17	0.76
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE1	13	0.76
(1,1644)	1:D:131:VAL:HG11	1:D:133:PHE:HE2	13	0.76
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE1	13	0.76
(1,1644)	1:D:131:VAL:HG12	1:D:133:PHE:HE2	13	0.76
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE1	13	0.76
(1,1644)	1:D:131:VAL:HG13	1:D:133:PHE:HE2	13	0.76
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	3	0.76
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	3	0.76
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	3	0.76
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	12	0.76
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	9	0.76
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	9	0.76
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	1	0.76
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	1	0.76
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	1	0.76
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	1	0.76
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	1	0.76
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	1	0.76
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	1	0.76
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	1	0.76
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	1	0.76
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	1	0.76
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	17	0.75
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	17	0.75
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	17	0.75
(1,885)	1:C:13:ILE:HD11	1:C:14:GLN:H	1	0.75
(1,885)	1:C:13:ILE:HD12	1:C:14:GLN:H	1	0.75
(1,885)	1:C:13:ILE:HD13	1:C:14:GLN:H	1	0.75
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	2	0.75
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	20	0.75
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	20	0.75
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	20	0.75
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	20	0.75
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	20	0.75
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD21	12	0.75
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD22	12	0.75
(1,824)	1:B:118:VAL:HG21	1:B:126:LEU:HD23	12	0.75
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD21	12	0.75
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD22	12	0.75
(1,824)	1:B:118:VAL:HG22	1:B:126:LEU:HD23	12	0.75
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD21	12	0.75
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD22	12	0.75
(1,824)	1:B:118:VAL:HG23	1:B:126:LEU:HD23	12	0.75
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	2	0.75
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	2	0.75
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	2	0.75
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	2	0.75
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	2	0.75
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	2	0.75
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	2	0.75
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	2	0.75
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	2	0.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	19	0.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	19	0.75
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	19	0.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	19	0.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	19	0.75
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	19	0.75
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	14	0.75
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	14	0.75
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	14	0.75
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	2	0.75
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	2	0.75
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	2	0.75
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	7	0.75
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	20	0.74
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	2	0.74
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	2	0.74
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	2	0.74
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	13	0.74
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	13	0.74
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	13	0.74
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	13	0.74
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	13	0.74
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	13	0.74
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	13	0.74
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	13	0.74
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	16	0.74
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	4	0.74
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	8	0.74
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	7	0.74
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	7	0.74
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	7	0.74
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	7	0.74
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	7	0.74
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	7	0.74
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	2	0.74
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	19	0.74
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	17	0.74
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	19	0.74
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	15	0.74
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	15	0.74
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	15	0.74
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	15	0.74
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	15	0.74
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	15	0.74
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	19	0.74
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	19	0.74
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	3	0.73
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	13	0.73
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	13	0.73
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	13	0.73
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	13	0.73
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	13	0.73
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	13	0.73
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	13	0.73
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	13	0.73
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	13	0.73
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	18	0.73
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	11	0.73
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	11	0.73
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	11	0.73
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	11	0.73
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	11	0.73
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	11	0.73
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	11	0.73
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	11	0.73
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	11	0.73
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	11	0.73
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	11	0.73
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	11	0.73
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	11	0.73
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	11	0.73
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	18	0.73
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	18	0.73
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	18	0.73
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	6	0.73
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	6	0.73
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	20	0.73
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	20	0.73
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	20	0.73
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	20	0.73
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	20	0.73
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	20	0.73
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	20	0.73
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	20	0.73
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	20	0.73
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	7	0.73
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	7	0.73
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	7	0.73
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	7	0.73
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	7	0.73
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	7	0.73
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	7	0.73
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	7	0.73
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	7	0.73
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	8	0.72
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	14	0.72
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	14	0.72
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	14	0.72
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	14	0.72
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	14	0.72
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	14	0.72
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	5	0.72
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD21	20	0.72
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD22	20	0.72
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD23	20	0.72
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD21	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD22	20	0.72
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD23	20	0.72
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD21	20	0.72
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD22	20	0.72
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD23	20	0.72
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD11	1	0.72
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD12	1	0.72
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD13	1	0.72
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	8	0.72
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	8	0.72
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	8	0.72
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	8	0.72
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	8	0.72
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	8	0.72
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	20	0.72
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	11	0.72
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	11	0.72
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	11	0.72
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	11	0.72
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	11	0.72
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	11	0.72
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	11	0.72
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	11	0.72
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	11	0.72
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	6	0.72
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	6	0.72
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	6	0.72
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	9	0.71
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	9	0.71
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	15	0.71
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	15	0.71
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	15	0.71
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	17	0.71
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	17	0.71
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	17	0.71
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	17	0.71
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	17	0.71
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	17	0.71
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	1	0.71
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	1	0.71
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	1	0.71
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	2	0.71
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	2	0.71
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	12	0.71
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	12	0.71
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	17	0.71
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	15	0.71
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	15	0.71
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	15	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	15	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	15	0.71
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	15	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	15	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	15	0.71
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	15	0.71
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	1	0.71
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	11	0.71
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	12	0.71
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	16	0.71
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	16	0.71
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	16	0.71
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	17	0.71
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	17	0.71
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	17	0.71
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	17	0.71
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	17	0.71
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	17	0.71
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	17	0.71
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	17	0.71
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	17	0.71
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	17	0.7
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	17	0.7
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	17	0.7
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	17	0.7
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	17	0.7
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	17	0.7
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	17	0.7
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	17	0.7
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	17	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	19	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	19	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	19	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	20	0.7
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	20	0.7
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	6	0.7
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	17	0.7
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	17	0.7
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	8	0.7
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	10	0.7
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	10	0.7
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	10	0.7
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	12	0.7
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	12	0.7
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	12	0.7
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	12	0.7
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	12	0.7
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	12	0.7
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	12	0.7
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	12	0.7
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	12	0.7
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	15	0.7
(1,1264)	1:C:136:LEU:H	1:C:139:ASN:H	8	0.7
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	18	0.69
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	18	0.69
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	18	0.69
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	18	0.69
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	18	0.69
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	18	0.69
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	18	0.69
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	18	0.69
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	18	0.69
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	2	0.69
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	2	0.69
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	2	0.69
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	2	0.69
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	2	0.69
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	2	0.69
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG11	7	0.69
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG12	7	0.69
(1,545)	1:B:42:LEU:HD11	1:B:62:VAL:HG13	7	0.69
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG11	7	0.69
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG12	7	0.69
(1,545)	1:B:42:LEU:HD12	1:B:62:VAL:HG13	7	0.69
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG11	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG12	7	0.69
(1,545)	1:B:42:LEU:HD13	1:B:62:VAL:HG13	7	0.69
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	3	0.69
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	3	0.69
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	3	0.69
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	5	0.69
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	5	0.69
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	5	0.69
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	19	0.69
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	19	0.69
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	19	0.69
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	19	0.69
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	19	0.69
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	19	0.69
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	19	0.69
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	19	0.69
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	19	0.69
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	15	0.69
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	10	0.69
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	10	0.69
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	10	0.69
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	10	0.69
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	10	0.69
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	10	0.69
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	10	0.69
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	10	0.69
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	10	0.69
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	7	0.69
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	7	0.69
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	11	0.69
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	11	0.69
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	11	0.69
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	4	0.69
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	4	0.69
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	4	0.69
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	8	0.69
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	19	0.69
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	19	0.69
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	9	0.69
(1,1044)	1:C:56:TYR:H	1:C:86:ILE:H	11	0.69
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	3	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	3	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	3	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	3	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	3	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	3	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	3	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	3	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	7	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	7	0.68
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	7	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	7	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	7	0.68
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	7	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	7	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	7	0.68
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	7	0.68
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	12	0.68
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	12	0.68
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	12	0.68
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	12	0.68
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	12	0.68
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	12	0.68
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	11	0.68
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	11	0.68
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	11	0.68
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	11	0.68
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	11	0.68
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	11	0.68
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	11	0.68
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	11	0.68
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	11	0.68
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	16	0.68
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	16	0.68
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	16	0.68
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	16	0.68
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	16	0.68
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	16	0.68
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	16	0.68
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	16	0.68
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	16	0.68
(1,398)	1:A:126:LEU:HD11	1:A:127:ASN:H	10	0.68
(1,398)	1:A:126:LEU:HD12	1:A:127:ASN:H	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:A:126:LEU:HD13	1:A:127:ASN:H	10	0.68
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	14	0.68
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	15	0.68
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	15	0.68
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	15	0.68
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	18	0.68
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	2	0.68
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	2	0.68
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	2	0.68
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	2	0.68
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	2	0.68
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	2	0.68
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	2	0.68
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	2	0.68
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	2	0.68
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	4	0.68
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	18	0.68
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	20	0.68
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	20	0.68
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	20	0.68
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	18	0.67
(1,957)	1:C:31:VAL:HG21	1:C:36:TRP:HE1	2	0.67
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	2	0.67
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	2	0.67
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	7	0.67
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	7	0.67
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	13	0.67
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	16	0.67
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	13	0.67
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	13	0.67
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	13	0.67
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	13	0.67
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	13	0.67
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	13	0.67
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	13	0.67
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	13	0.67
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	13	0.67
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	5	0.67
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	14	0.67
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	20	0.67
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	20	0.67
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	20	0.67
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	20	0.67
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	20	0.67
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	4	0.67
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	4	0.67
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	4	0.67
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	4	0.67
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	4	0.67
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	4	0.67
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	4	0.67
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	4	0.67
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	4	0.67
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	15	0.67
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	10	0.67
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	10	0.67
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	2	0.67
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	6	0.67
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	10	0.66
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	10	0.66
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	10	0.66
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	6	0.66
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	4	0.66
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	4	0.66
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	4	0.66
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	10	0.66
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	10	0.66
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	12	0.66
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	12	0.66
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	12	0.66
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	12	0.66
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	12	0.66
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	12	0.66
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	12	0.66
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	12	0.66
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	12	0.66
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	1	0.66
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	1	0.66
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	1	0.66
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG11	10	0.66
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG12	10	0.66
(1,569)	1:B:44:LEU:HD21	1:B:131:VAL:HG13	10	0.66
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG11	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG12	10	0.66
(1,569)	1:B:44:LEU:HD22	1:B:131:VAL:HG13	10	0.66
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG11	10	0.66
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG12	10	0.66
(1,569)	1:B:44:LEU:HD23	1:B:131:VAL:HG13	10	0.66
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	1	0.66
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	17	0.66
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	11	0.66
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD11	7	0.66
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD12	7	0.66
(1,1547)	1:D:86:ILE:HD11	1:D:89:ILE:HD13	7	0.66
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD11	7	0.66
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD12	7	0.66
(1,1547)	1:D:86:ILE:HD12	1:D:89:ILE:HD13	7	0.66
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD11	7	0.66
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD12	7	0.66
(1,1547)	1:D:86:ILE:HD13	1:D:89:ILE:HD13	7	0.66
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	7	0.66
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	20	0.66
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	20	0.66
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	20	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	20	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	20	0.66
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	20	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	20	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	20	0.66
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	20	0.66
(1,143)	1:A:44:LEU:HD11	1:A:45:ASP:H	5	0.66
(1,143)	1:A:44:LEU:HD12	1:A:45:ASP:H	5	0.66
(1,143)	1:A:44:LEU:HD13	1:A:45:ASP:H	5	0.66
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD1	17	0.66
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD2	17	0.66
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	1	0.66
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	1	0.66
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	1	0.66
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	1	0.66
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	1	0.66
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	1	0.66
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	1	0.66
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	1	0.66
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	1	0.66
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	12	0.66
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	11	0.66
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	13	0.66
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	13	0.66
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	13	0.66
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	13	0.65
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	13	0.65
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	8	0.65
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	5	0.65
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	10	0.65
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	10	0.65
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	10	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	10	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	10	0.65
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	10	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	10	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	10	0.65
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	10	0.65
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	1	0.65
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	1	0.65
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	1	0.65
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	1	0.65
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	1	0.65
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	1	0.65
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	3	0.65
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	3	0.65
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	3	0.65
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	3	0.65
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	3	0.65
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	3	0.65
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	13	0.65
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	13	0.65
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	13	0.65
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	13	0.65
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	13	0.65
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	13	0.65
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	13	0.65
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	13	0.65
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	13	0.65
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	19	0.65
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	19	0.65
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	19	0.65
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	19	0.65
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	19	0.65
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	19	0.65
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	19	0.65
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	19	0.65
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	12	0.65
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	1	0.65
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD1	11	0.65
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD2	11	0.65
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD1	11	0.65
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD2	11	0.65
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD1	11	0.65
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD2	11	0.65
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	7	0.65
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	7	0.65
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	7	0.65
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	7	0.65
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	7	0.65
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	7	0.65
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	7	0.65
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	7	0.65
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	7	0.65
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	3	0.65
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	4	0.65
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	4	0.65
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	4	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	4	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	4	0.65
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	4	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	4	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	4	0.65
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	4	0.65
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	19	0.65
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	19	0.65
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	19	0.65
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	19	0.65
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	19	0.65
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	19	0.65
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	8	0.65
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	8	0.65
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	12	0.65
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	11	0.65
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	11	0.65
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	11	0.65
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	11	0.65
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	11	0.65
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	11	0.65
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	11	0.65
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	11	0.65
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	11	0.65
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	1	0.64
(1,957)	1:C:31:VAL:HG21	1:C:36:TRP:HE1	6	0.64
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	6	0.64
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	6	0.64
(1,952)	1:C:31:VAL:H	1:C:33:GLN:H	13	0.64
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	2	0.64
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	2	0.64
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	2	0.64
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	2	0.64
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	2	0.64
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	2	0.64
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	2	0.64
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	2	0.64
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	2	0.64
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	4	0.64
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	17	0.64
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	14	0.64
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	5	0.64
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	4	0.64
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	1	0.64
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	1	0.64
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	1	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	1	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	1	0.64
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	1	0.64
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	10	0.64
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	10	0.64
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	10	0.64
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	15	0.64
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	15	0.64
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD21	6	0.64
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD22	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD23	6	0.64
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD21	6	0.64
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD22	6	0.64
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD23	6	0.64
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD21	6	0.64
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD22	6	0.64
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD23	6	0.64
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD21	9	0.64
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD22	9	0.64
(1,1235)	1:C:118:VAL:HG11	1:C:126:LEU:HD23	9	0.64
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD21	9	0.64
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD22	9	0.64
(1,1235)	1:C:118:VAL:HG12	1:C:126:LEU:HD23	9	0.64
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD21	9	0.64
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD22	9	0.64
(1,1235)	1:C:118:VAL:HG13	1:C:126:LEU:HD23	9	0.64
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	17	0.64
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	2	0.64
(1,1044)	1:C:56:TYR:H	1:C:86:ILE:H	16	0.64
(1,959)	1:C:31:VAL:HG21	1:C:123:PHE:HE1	11	0.63
(1,959)	1:C:31:VAL:HG21	1:C:123:PHE:HE2	11	0.63
(1,959)	1:C:31:VAL:HG22	1:C:123:PHE:HE1	11	0.63
(1,959)	1:C:31:VAL:HG22	1:C:123:PHE:HE2	11	0.63
(1,959)	1:C:31:VAL:HG23	1:C:123:PHE:HE1	11	0.63
(1,959)	1:C:31:VAL:HG23	1:C:123:PHE:HE2	11	0.63
(1,953)	1:C:31:VAL:HG11	1:C:32:PHE:H	17	0.63
(1,953)	1:C:31:VAL:HG12	1:C:32:PHE:H	17	0.63
(1,953)	1:C:31:VAL:HG13	1:C:32:PHE:H	17	0.63
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	14	0.63
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	19	0.63
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	8	0.63
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	11	0.63
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	6	0.63
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	17	0.63
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	17	0.63
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	17	0.63
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	17	0.63
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	17	0.63
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	17	0.63
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	17	0.63
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	17	0.63
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	10	0.63
(1,410)	1:A:133:PHE:H	1:A:136:LEU:H	9	0.63
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	3	0.63
(1,2)	1:A:9:MET:HE1	1:A:11:PHE:H	7	0.63
(1,2)	1:A:9:MET:HE2	1:A:11:PHE:H	7	0.63
(1,2)	1:A:9:MET:HE3	1:A:11:PHE:H	7	0.63
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	17	0.63
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE1	20	0.63
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE2	20	0.63
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE3	20	0.63
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE1	20	0.63
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE2	20	0.63
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE3	20	0.63
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE1	20	0.63
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE2	20	0.63
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE3	20	0.63
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	11	0.63
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	11	0.63
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	16	0.63
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	16	0.63
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	16	0.63
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	16	0.63
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	16	0.63
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	16	0.63
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	15	0.63
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	15	0.63
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	15	0.63
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	15	0.63
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	15	0.63
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	15	0.63
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	4	0.63
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	4	0.63
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	20	0.63
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	20	0.63
(1,1260)	1:C:135:ALA:H	1:C:138:MET:H	8	0.63
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	7	0.63
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	2	0.63
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	2	0.63
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	2	0.63
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	17	0.62
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	17	0.62
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	17	0.62
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	17	0.62
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	8	0.62
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD11	13	0.62
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD12	13	0.62
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD13	13	0.62
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD11	13	0.62
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD12	13	0.62
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD13	13	0.62
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD11	13	0.62
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD12	13	0.62
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD13	13	0.62
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	1	0.62
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	17	0.62
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	9	0.62
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	10	0.62
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	20	0.62
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	20	0.62
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	20	0.62
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	7	0.62
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	7	0.62
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	7	0.62
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	7	0.62
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	7	0.62
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	7	0.62
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	10	0.62
(1,143)	1:A:44:LEU:HD11	1:A:45:ASP:H	19	0.62
(1,143)	1:A:44:LEU:HD12	1:A:45:ASP:H	19	0.62
(1,143)	1:A:44:LEU:HD13	1:A:45:ASP:H	19	0.62
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	3	0.62
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	4	0.62
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	3	0.62
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	6	0.62
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	13	0.62
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	13	0.62
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	13	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	13	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	13	0.62
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	13	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	13	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	13	0.62
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG11	18	0.61
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG12	18	0.61
(1,85)	1:A:30:HIS:H	1:A:31:VAL:HG13	18	0.61
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	4	0.61
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	3	0.61
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	6	0.61
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	19	0.61
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	8	0.61
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	8	0.61
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	8	0.61
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	15	0.61
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	15	0.61
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	15	0.61
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	6	0.61
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	6	0.61
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	6	0.61
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	4	0.61
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	2	0.61
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	14	0.61
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	18	0.61
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	19	0.61
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	19	0.61
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	19	0.61
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	7	0.6
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	13	0.6
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	15	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	1	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	1	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	1	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	1	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	1	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	1	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	1	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	1	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	1	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	11	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	11	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	11	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	11	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	11	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	11	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	11	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	11	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	14	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	14	0.6
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	14	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	14	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	14	0.6
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	14	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	14	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	14	0.6
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	14	0.6
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	7	0.6
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	9	0.6
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	9	0.6
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	9	0.6
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	15	0.6
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	15	0.6
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	9	0.6
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	9	0.6
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	9	0.6
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	12	0.6
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD11	11	0.6
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD12	11	0.6
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD13	11	0.6
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD11	11	0.6
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD12	11	0.6
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD13	11	0.6
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD11	11	0.6
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD12	11	0.6
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD13	11	0.6
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	14	0.6
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	14	0.6
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	14	0.6
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	14	0.6
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	14	0.6
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	14	0.6
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	14	0.6
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	14	0.6
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	14	0.6
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	1	0.6
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	20	0.6
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	2	0.6
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	2	0.6
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	2	0.6
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	2	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	2	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	2	0.6
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	2	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	2	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	2	0.6
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	2	0.6
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD11	18	0.59
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD12	18	0.59
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD13	18	0.59
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD11	18	0.59
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD12	18	0.59
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD13	18	0.59
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD11	18	0.59
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD12	18	0.59
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD13	18	0.59
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	15	0.59
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	15	0.59
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	15	0.59
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	12	0.59
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	2	0.59
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	18	0.59
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	10	0.59
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	10	0.59
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	10	0.59
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	10	0.59
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	10	0.59
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	10	0.59
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	10	0.59
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	10	0.59
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	10	0.59
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE1	9	0.59
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE2	9	0.59
(1,353)	1:A:101:TYR:HE1	1:C:138:MET:HE3	9	0.59
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE1	9	0.59
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE2	9	0.59
(1,353)	1:A:101:TYR:HE2	1:C:138:MET:HE3	9	0.59
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	1	0.59
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE1	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE2	1	0.59
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE3	1	0.59
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	7	0.59
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	7	0.59
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	7	0.59
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	7	0.59
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	7	0.59
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	7	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	7	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	7	0.59
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	7	0.59
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	14	0.59
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	1	0.59
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	1	0.59
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	1	0.59
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	15	0.59
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	1	0.59
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	12	0.59
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	12	0.59
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	12	0.59
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	8	0.59
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	19	0.59
(1,1172)	1:C:90:GLU:H	1:C:93:GLN:H	17	0.59
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE1	11	0.59
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE2	11	0.59
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE1	11	0.59
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE2	11	0.59
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE1	11	0.59
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE2	11	0.59
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	3	0.59
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	16	0.59
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	16	0.59
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	16	0.59
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD21	1	0.58
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD22	1	0.58
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD23	1	0.58
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD21	1	0.58
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD22	1	0.58
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD23	1	0.58
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD21	1	0.58
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD22	1	0.58
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD23	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	1	0.58
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	1	0.58
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	1	0.58
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	1	0.58
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	1	0.58
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	1	0.58
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	1	0.58
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	1	0.58
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	1	0.58
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	16	0.58
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	16	0.58
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	16	0.58
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	16	0.58
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	16	0.58
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	16	0.58
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	16	0.58
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	16	0.58
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	16	0.58
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	9	0.58
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	9	0.58
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	8	0.58
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	8	0.58
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	8	0.58
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	7	0.58
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	1	0.58
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	1	0.58
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	1	0.58
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	1	0.58
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	1	0.58
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	1	0.58
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE1	6	0.58
(1,407)	1:A:131:VAL:HG21	1:A:133:PHE:HE2	6	0.58
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE1	6	0.58
(1,407)	1:A:131:VAL:HG22	1:A:133:PHE:HE2	6	0.58
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE1	6	0.58
(1,407)	1:A:131:VAL:HG23	1:A:133:PHE:HE2	6	0.58
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	20	0.58
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	11	0.58
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	12	0.58
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	17	0.58
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	18	0.58
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	18	0.58
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	18	0.58
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	18	0.58
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	18	0.58
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	7	0.58
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	7	0.58
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	7	0.58
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	13	0.58
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	13	0.58
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	13	0.58
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	15	0.58
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	5	0.58
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	10	0.58
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	18	0.58
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	18	0.58
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	18	0.58
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	18	0.58
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	18	0.58
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	18	0.58
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD11	15	0.58
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD12	15	0.58
(1,1295)	1:D:13:ILE:HD11	1:D:105:ILE:HD13	15	0.58
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD11	15	0.58
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD12	15	0.58
(1,1295)	1:D:13:ILE:HD12	1:D:105:ILE:HD13	15	0.58
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD11	15	0.58
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD12	15	0.58
(1,1295)	1:D:13:ILE:HD13	1:D:105:ILE:HD13	15	0.58
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	18	0.58
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	11	0.58
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	11	0.58
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	11	0.58
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	11	0.58
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	11	0.58
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	11	0.58
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	11	0.58
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	11	0.58
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	11	0.58
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	20	0.58
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	20	0.58
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	20	0.58
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	20	0.58
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	20	0.58
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	20	0.58
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	20	0.58
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	20	0.58
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD11	8	0.58
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD12	8	0.58
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD13	8	0.58
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD11	8	0.58
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD12	8	0.58
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD13	8	0.58
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	8	0.57
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	8	0.57
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	8	0.57
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	13	0.57
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	13	0.57
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	13	0.57
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	13	0.57
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	13	0.57
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	13	0.57
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	13	0.57
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	13	0.57
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	13	0.57
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	13	0.57
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	19	0.57
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	5	0.57
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	5	0.57
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	20	0.57
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	13	0.57
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	9	0.57
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	3	0.57
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	17	0.57
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD11	7	0.57
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD12	7	0.57
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD13	7	0.57
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD11	7	0.57
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD12	7	0.57
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD13	7	0.57
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD11	7	0.57
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD12	7	0.57
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD13	7	0.57
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	7	0.57
(1,1314)	1:D:19:LYS:H	1:D:79:GLN:H	4	0.57
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	6	0.57
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	6	0.57
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	6	0.57
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	6	0.57
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	6	0.57
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	6	0.57
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	20	0.57
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	13	0.57
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	3	0.57
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	3	0.57
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	3	0.57
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	3	0.57
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	3	0.57
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	3	0.57
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	3	0.57
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	3	0.57
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	3	0.57
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	8	0.56
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	8	0.56
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	8	0.56
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	8	0.56
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	8	0.56
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	8	0.56
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	8	0.56
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	8	0.56
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	8	0.56
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	13	0.56
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	13	0.56
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	1	0.56
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	1	0.56
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	3	0.56
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	4	0.56
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	7	0.56
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	7	0.56
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	7	0.56
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	18	0.56
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	18	0.56
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	16	0.56
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	16	0.56
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	10	0.56
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE1	10	0.56
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE2	10	0.56
(1,303)	1:A:86:ILE:HD11	1:A:94:MET:HE3	10	0.56
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE1	10	0.56
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE2	10	0.56
(1,303)	1:A:86:ILE:HD12	1:A:94:MET:HE3	10	0.56
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE1	10	0.56
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE2	10	0.56
(1,303)	1:A:86:ILE:HD13	1:A:94:MET:HE3	10	0.56
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	5	0.56
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	6	0.56
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	20	0.56
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	20	0.56
(1,1478)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	20	0.56
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	20	0.56
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	20	0.56
(1,1478)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	20	0.56
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	20	0.56
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	20	0.56
(1,1478)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	20	0.56
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	19	0.56
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	19	0.56
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	10	0.56
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	20	0.55
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	20	0.55
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	5	0.55
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	5	0.55
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	5	0.55
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	5	0.55
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	5	0.55
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	5	0.55
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	5	0.55
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	5	0.55
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	5	0.55
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	6	0.55
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	6	0.55
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	6	0.55
(1,835)	1:B:128:LEU:HD21	1:B:129:ALA:H	12	0.55
(1,835)	1:B:128:LEU:HD22	1:B:129:ALA:H	12	0.55
(1,835)	1:B:128:LEU:HD23	1:B:129:ALA:H	12	0.55
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	13	0.55
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	5	0.55
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	5	0.55
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	5	0.55
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	5	0.55
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	5	0.55
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	5	0.55
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	5	0.55
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	5	0.55
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	5	0.55
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	17	0.55
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	6	0.55
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	6	0.55
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	6	0.55
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	6	0.55
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	6	0.55
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	6	0.55
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	6	0.55
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	6	0.55
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	6	0.55
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	3	0.55
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD21	3	0.55
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD22	3	0.55
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD23	3	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD21	3	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD22	3	0.55
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD23	3	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD21	3	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD22	3	0.55
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD23	3	0.55
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	4	0.55
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	4	0.55
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	4	0.55
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	4	0.55
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	4	0.55
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	4	0.55
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	4	0.55
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	4	0.55
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	4	0.55
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	17	0.55
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	17	0.55
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	17	0.55
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	17	0.55
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	17	0.55
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	17	0.55
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	17	0.55
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	17	0.55
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	4	0.55
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	16	0.55
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	16	0.55
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	7	0.55
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	6	0.55
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	11	0.55
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD21	11	0.55
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD22	11	0.55
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD23	11	0.55
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD21	11	0.55
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD22	11	0.55
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD23	11	0.55
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD21	11	0.55
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD22	11	0.55
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD23	11	0.55
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	6	0.55
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	7	0.55
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	12	0.55
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	9	0.55
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	9	0.55
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	7	0.55
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	14	0.55
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	3	0.55
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	3	0.55
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	3	0.55
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	20	0.55
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	16	0.55
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	16	0.55
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	16	0.55
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	16	0.55
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	16	0.55
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	16	0.55
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	16	0.55
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	16	0.55
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	16	0.55
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD21	13	0.54
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD22	13	0.54
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD23	13	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD21	13	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD22	13	0.54
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD23	13	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD21	13	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD22	13	0.54
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD23	13	0.54
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	4	0.54
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	10	0.54
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	10	0.54
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	8	0.54
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	8	0.54
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	8	0.54
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	8	0.54
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	8	0.54
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	8	0.54
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	6	0.54
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	19	0.54
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	20	0.54
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	5	0.54
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	19	0.54
(1,404)	1:A:131:VAL:HG11	1:A:133:PHE:H	16	0.54
(1,404)	1:A:131:VAL:HG12	1:A:133:PHE:H	16	0.54
(1,404)	1:A:131:VAL:HG13	1:A:133:PHE:H	16	0.54
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	7	0.54
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	7	0.54
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	2	0.54
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	2	0.54
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	2	0.54
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	14	0.54
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	14	0.54
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	14	0.54
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	3	0.54
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	16	0.54
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	12	0.54
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	13	0.53
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	2	0.53
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	2	0.53
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	2	0.53
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	17	0.53
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	6	0.53
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	6	0.53
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	11	0.53
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE1	13	0.53
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE2	13	0.53
(1,866)	1:B:138:MET:HE1	1:D:9:MET:HE3	13	0.53
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE1	13	0.53
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE2	13	0.53
(1,866)	1:B:138:MET:HE2	1:D:9:MET:HE3	13	0.53
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE1	13	0.53
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE2	13	0.53
(1,866)	1:B:138:MET:HE3	1:D:9:MET:HE3	13	0.53
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	10	0.53
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	17	0.53
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	15	0.53
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	15	0.53
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	15	0.53
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	15	0.53
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	15	0.53
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	15	0.53
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	15	0.53
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	15	0.53
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	15	0.53
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	11	0.53
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	11	0.53
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	11	0.53
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	15	0.53
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	15	0.53
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	15	0.53
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	9	0.53
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	1	0.53
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	6	0.53
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	20	0.53
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	12	0.53
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	7	0.53
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	18	0.53
(1,1659)	1:D:136:LEU:H	1:D:139:ASN:H	1	0.53
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	16	0.53
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	11	0.53
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	16	0.53
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	18	0.53
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	18	0.53
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	18	0.53
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	18	0.53
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	18	0.53
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	18	0.53
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	20	0.53
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	19	0.53
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	19	0.53
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	12	0.53
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	3	0.53
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	4	0.53
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	10	0.53
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	19	0.53
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	19	0.53
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	19	0.53
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	6	0.53
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	6	0.53
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	6	0.53
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	12	0.52
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	7	0.52
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	7	0.52
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	12	0.52
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	12	0.52
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	13	0.52
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	19	0.52
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	5	0.52
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	8	0.52
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	8	0.52
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	8	0.52
(1,675)	1:B:64:VAL:HG21	1:B:76:CYS:H	20	0.52
(1,675)	1:B:64:VAL:HG22	1:B:76:CYS:H	20	0.52
(1,675)	1:B:64:VAL:HG23	1:B:76:CYS:H	20	0.52
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	4	0.52
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	5	0.52
(1,455)	1:B:13:ILE:HD11	1:B:15:ARG:H	14	0.52
(1,455)	1:B:13:ILE:HD12	1:B:15:ARG:H	14	0.52
(1,455)	1:B:13:ILE:HD13	1:B:15:ARG:H	14	0.52
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	20	0.52
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	20	0.52
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	10	0.52
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	13	0.52
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	13	0.52
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	13	0.52
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	13	0.52
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	13	0.52
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	13	0.52
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	13	0.52
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	13	0.52
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	3	0.52
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	3	0.52
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	11	0.52
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	4	0.52
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	13	0.52
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	3	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	2	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	2	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	2	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	6	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	6	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	6	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	10	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	10	0.52
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	10	0.52
(1,272)	1:A:74:PHE:HD1	1:A:123:PHE:HE1	16	0.52
(1,272)	1:A:74:PHE:HD1	1:A:123:PHE:HE2	16	0.52
(1,272)	1:A:74:PHE:HD2	1:A:123:PHE:HE1	16	0.52
(1,272)	1:A:74:PHE:HD2	1:A:123:PHE:HE2	16	0.52
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	11	0.52
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	3	0.52
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	3	0.52
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	3	0.52
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	3	0.52
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	3	0.52
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	3	0.52
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	17	0.52
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	17	0.52
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	17	0.52
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	17	0.52
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	17	0.52
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	17	0.52
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	6	0.52
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	7	0.52
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	7	0.52
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	3	0.52
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD11	19	0.52
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD12	19	0.52
(1,1368)	1:D:40:VAL:HG11	1:D:42:LEU:HD13	19	0.52
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD11	19	0.52
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD12	19	0.52
(1,1368)	1:D:40:VAL:HG12	1:D:42:LEU:HD13	19	0.52
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD11	19	0.52
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD12	19	0.52
(1,1368)	1:D:40:VAL:HG13	1:D:42:LEU:HD13	19	0.52
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	2	0.52
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	2	0.52
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	18	0.52
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	18	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	6	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	6	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	6	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	6	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	6	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	6	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	6	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	6	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	6	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	19	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	19	0.52
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	19	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	19	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	19	0.52
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	19	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	19	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	19	0.52
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	19	0.52
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	5	0.52
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	10	0.52
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	16	0.52
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	8	0.52
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	8	0.52
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	8	0.52
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	8	0.52
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	8	0.52
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	15	0.52
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	9	0.52
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	15	0.52
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	8	0.51
(1,7)	1:A:11:PHE:HD1	1:A:12:GLN:H	11	0.51
(1,7)	1:A:11:PHE:HD2	1:A:12:GLN:H	11	0.51
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	10	0.51
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	3	0.51
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	2	0.51
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	2	0.51
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	2	0.51
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	2	0.51
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	2	0.51
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	2	0.51
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	9	0.51
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	18	0.51
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD1	6	0.51
(1,405)	1:A:131:VAL:HG11	1:A:133:PHE:HD2	6	0.51
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD1	6	0.51
(1,405)	1:A:131:VAL:HG12	1:A:133:PHE:HD2	6	0.51
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD1	6	0.51
(1,405)	1:A:131:VAL:HG13	1:A:133:PHE:HD2	6	0.51
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	9	0.51
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	19	0.51
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	19	0.51
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	19	0.51
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	2	0.51
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	19	0.51
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	6	0.51
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	8	0.51
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	8	0.51
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	18	0.51
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	5	0.51
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	5	0.51
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	5	0.51
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	5	0.51
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	5	0.51
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	5	0.51
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	8	0.51
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	8	0.51
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	10	0.51
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	10	0.51
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	14	0.51
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	14	0.51
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	14	0.51
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	13	0.51
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	15	0.51
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	17	0.51
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	10	0.51
(1,1195)	1:C:99:GLY:H	1:C:102:CYS:H	9	0.51
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	12	0.51
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	20	0.51
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	12	0.5
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	6	0.5
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	18	0.5
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	18	0.5
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	18	0.5
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	18	0.5
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	18	0.5
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	18	0.5
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	16	0.5
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	16	0.5
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	16	0.5
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	7	0.5
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	17	0.5
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	17	0.5
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	17	0.5
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	17	0.5
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	17	0.5
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	17	0.5
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	17	0.5
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	17	0.5
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	17	0.5
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	7	0.5
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	19	0.5
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	17	0.5
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE1	15	0.5
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE2	15	0.5
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE3	15	0.5
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	3	0.5
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	13	0.5
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	5	0.5
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	5	0.5
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	5	0.5
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	5	0.5
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	5	0.5
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	5	0.5
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	5	0.5
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	5	0.5
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	3	0.5
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	3	0.5
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	17	0.5
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	10	0.5
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	10	0.5
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	10	0.5
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	9	0.5
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	10	0.5
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	8	0.5
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	8	0.5
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	8	0.5
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	10	0.5
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	16	0.5
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	15	0.5
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	15	0.5
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	15	0.5
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	15	0.5
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	15	0.5
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	15	0.5
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	15	0.5
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	15	0.5
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	15	0.5
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	12	0.5
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	12	0.5
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	12	0.5
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	12	0.5
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	12	0.5
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	12	0.5
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	12	0.5
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	12	0.5
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	12	0.5
(1,1172)	1:C:90:GLU:H	1:C:93:GLN:H	6	0.5
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	3	0.5
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	3	0.5
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	3	0.5
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	9	0.5
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	20	0.5
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	20	0.5
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	20	0.5
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	18	0.5
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	19	0.49
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	19	0.49
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	19	0.49
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	20	0.49
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	9	0.49
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	20	0.49
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	16	0.49
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	16	0.49
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	16	0.49
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	16	0.49
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	16	0.49
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	16	0.49
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	16	0.49
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	16	0.49
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	16	0.49
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	17	0.49
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	17	0.49
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	17	0.49
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	6	0.49
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	6	0.49
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	6	0.49
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	6	0.49
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	6	0.49
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	6	0.49
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	6	0.49
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	6	0.49
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	6	0.49
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD11	11	0.49
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD12	11	0.49
(1,615)	1:B:56:TYR:H	1:B:86:ILE:HD13	11	0.49
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	5	0.49
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	20	0.49
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	17	0.49
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	12	0.49
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	20	0.49
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	7	0.49
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE1	2	0.49
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE2	2	0.49
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE3	2	0.49
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE1	2	0.49
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE2	2	0.49
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE3	2	0.49
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE1	2	0.49
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE2	2	0.49
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE3	2	0.49
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	12	0.49
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	6	0.49
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	3	0.49
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	3	0.49
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	3	0.49
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	3	0.49
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	3	0.49
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	3	0.49
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	3	0.49
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	3	0.49
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	3	0.49
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	19	0.49
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	10	0.49
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	3	0.49
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	6	0.49
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	7	0.49
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	16	0.49
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	4	0.49
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	14	0.49
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE1	12	0.48
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE2	12	0.48
(1,8)	1:A:11:PHE:HD1	1:C:138:MET:HE3	12	0.48
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE1	12	0.48
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE2	12	0.48
(1,8)	1:A:11:PHE:HD2	1:C:138:MET:HE3	12	0.48
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	19	0.48
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	2	0.48
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	2	0.48
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	2	0.48
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	2	0.48
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	2	0.48
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	2	0.48
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	2	0.48
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	2	0.48
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	18	0.48
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	18	0.48
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	18	0.48
(1,518)	1:B:32:PHE:HD1	1:B:33:GLN:H	20	0.48
(1,518)	1:B:32:PHE:HD2	1:B:33:GLN:H	20	0.48
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	6	0.48
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	19	0.48
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	3	0.48
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	3	0.48
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	3	0.48
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	3	0.48
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	3	0.48
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	3	0.48
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	14	0.48
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	1	0.48
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	12	0.48
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	13	0.48
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	20	0.48
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	20	0.48
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	3	0.48
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	15	0.48
(1,1559)	1:D:90:GLU:H	1:D:94:MET:H	12	0.48
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	8	0.48
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	8	0.48
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	8	0.48
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	13	0.48
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	13	0.48
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	13	0.48
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	14	0.48
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	14	0.48
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	14	0.48
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	11	0.48
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	11	0.48
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	11	0.48
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	5	0.48
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	14	0.48
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	10	0.48
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	13	0.48
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	7	0.48
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	7	0.48
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	8	0.48
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	8	0.48
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	3	0.48
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	4	0.48
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	5	0.47
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	5	0.47
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	5	0.47
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	2	0.47
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	8	0.47
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	14	0.47
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	14	0.47
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	17	0.47
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	4	0.47
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	7	0.47
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	9	0.47
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	12	0.47
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	12	0.47
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	12	0.47
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	12	0.47
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	12	0.47
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	12	0.47
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	12	0.47
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	12	0.47
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	12	0.47
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	5	0.47
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	5	0.47
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	5	0.47
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	5	0.47
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	5	0.47
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	5	0.47
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	5	0.47
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	5	0.47
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	5	0.47
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	3	0.47
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD11	17	0.47
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD12	17	0.47
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD13	17	0.47
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD11	17	0.47
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD12	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD13	17	0.47
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD11	17	0.47
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD12	17	0.47
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD13	17	0.47
(1,549)	1:B:42:LEU:HD11	1:B:128:LEU:H	4	0.47
(1,549)	1:B:42:LEU:HD12	1:B:128:LEU:H	4	0.47
(1,549)	1:B:42:LEU:HD13	1:B:128:LEU:H	4	0.47
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	12	0.47
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	12	0.47
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	1	0.47
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	2	0.47
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	11	0.47
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	14	0.47
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	4	0.47
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	4	0.47
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	15	0.47
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	18	0.47
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	14	0.47
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	2	0.47
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	13	0.47
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	13	0.47
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	13	0.47
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	13	0.47
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	13	0.47
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	13	0.47
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	13	0.47
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	13	0.47
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	13	0.47
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD21	7	0.47
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD22	7	0.47
(1,1666)	1:D:137:PHE:HE1	1:D:141:LEU:HD23	7	0.47
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD21	7	0.47
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD22	7	0.47
(1,1666)	1:D:137:PHE:HE2	1:D:141:LEU:HD23	7	0.47
(1,1586)	1:D:98:LEU:HD21	1:D:99:GLY:H	19	0.47
(1,1586)	1:D:98:LEU:HD22	1:D:99:GLY:H	19	0.47
(1,1586)	1:D:98:LEU:HD23	1:D:99:GLY:H	19	0.47
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	12	0.47
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	12	0.47
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	12	0.47
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	12	0.47
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	12	0.47
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	12	0.47
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	12	0.47
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	12	0.47
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	9	0.47
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	17	0.47
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	13	0.47
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	5	0.47
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	5	0.47
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	5	0.47
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	5	0.47
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	5	0.47
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	5	0.47
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	5	0.47
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	5	0.47
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	5	0.47
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	9	0.47
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	6	0.47
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	6	0.47
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	6	0.47
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	6	0.47
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	6	0.47
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	6	0.47
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	6	0.47
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	6	0.47
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	6	0.47
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	8	0.47
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	1	0.47
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	1	0.47
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD11	16	0.47
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD12	16	0.47
(1,123)	1:A:40:VAL:HG11	1:A:42:LEU:HD13	16	0.47
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD11	16	0.47
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD12	16	0.47
(1,123)	1:A:40:VAL:HG12	1:A:42:LEU:HD13	16	0.47
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD11	16	0.47
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD12	16	0.47
(1,123)	1:A:40:VAL:HG13	1:A:42:LEU:HD13	16	0.47
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	2	0.47
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	3	0.47
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	11	0.47
(1,1169)	1:C:89:ILE:HD11	1:C:94:MET:H	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:C:89:ILE:HD12	1:C:94:MET:H	16	0.47
(1,1169)	1:C:89:ILE:HD13	1:C:94:MET:H	16	0.47
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	6	0.47
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	18	0.47
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD11	10	0.47
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD12	10	0.47
(1,1046)	1:C:56:TYR:HE1	1:C:86:ILE:HD13	10	0.47
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD11	10	0.47
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD12	10	0.47
(1,1046)	1:C:56:TYR:HE2	1:C:86:ILE:HD13	10	0.47
(1,96)	1:A:31:VAL:HG21	1:A:68:LEU:HD21	11	0.46
(1,96)	1:A:31:VAL:HG21	1:A:68:LEU:HD22	11	0.46
(1,96)	1:A:31:VAL:HG21	1:A:68:LEU:HD23	11	0.46
(1,96)	1:A:31:VAL:HG22	1:A:68:LEU:HD21	11	0.46
(1,96)	1:A:31:VAL:HG22	1:A:68:LEU:HD22	11	0.46
(1,96)	1:A:31:VAL:HG22	1:A:68:LEU:HD23	11	0.46
(1,96)	1:A:31:VAL:HG23	1:A:68:LEU:HD21	11	0.46
(1,96)	1:A:31:VAL:HG23	1:A:68:LEU:HD22	11	0.46
(1,96)	1:A:31:VAL:HG23	1:A:68:LEU:HD23	11	0.46
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	9	0.46
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	18	0.46
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	20	0.46
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	20	0.46
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	20	0.46
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	20	0.46
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	20	0.46
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	20	0.46
(1,852)	1:B:135:ALA:HB1	1:D:13:ILE:H	1	0.46
(1,852)	1:B:135:ALA:HB2	1:D:13:ILE:H	1	0.46
(1,852)	1:B:135:ALA:HB3	1:D:13:ILE:H	1	0.46
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	6	0.46
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	6	0.46
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	2	0.46
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	2	0.46
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	2	0.46
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	2	0.46
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	2	0.46
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	2	0.46
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	2	0.46
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	2	0.46
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	2	0.46
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:13:ILE:HD11	1:B:14:GLN:H	14	0.46
(1,454)	1:B:13:ILE:HD12	1:B:14:GLN:H	14	0.46
(1,454)	1:B:13:ILE:HD13	1:B:14:GLN:H	14	0.46
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	10	0.46
(1,403)	1:A:129:ALA:HB1	1:C:13:ILE:H	3	0.46
(1,403)	1:A:129:ALA:HB2	1:C:13:ILE:H	3	0.46
(1,403)	1:A:129:ALA:HB3	1:C:13:ILE:H	3	0.46
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	14	0.46
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	7	0.46
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	10	0.46
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	1	0.46
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	10	0.46
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	10	0.46
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	10	0.46
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	10	0.46
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	10	0.46
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	10	0.46
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	15	0.46
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	7	0.46
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	15	0.46
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	15	0.46
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	15	0.46
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	5	0.46
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	5	0.46
(1,136)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	5	0.46
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	5	0.46
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	5	0.46
(1,136)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	5	0.46
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	5	0.46
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	5	0.46
(1,136)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	5	0.46
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	6	0.46
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	13	0.46
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	8	0.46
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	17	0.46
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	8	0.46
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	2	0.46
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	19	0.46
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	1	0.46
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	1	0.46
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	1	0.46
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	7	0.45
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	7	0.45
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	3	0.45
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	3	0.45
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	3	0.45
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	3	0.45
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	3	0.45
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	3	0.45
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	3	0.45
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	3	0.45
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	3	0.45
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	17	0.45
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	19	0.45
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	3	0.45
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	11	0.45
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	11	0.45
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	11	0.45
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	18	0.45
(1,695)	1:B:67:SER:H	1:B:74:PHE:H	18	0.45
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	11	0.45
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	8	0.45
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	12	0.45
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	12	0.45
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	12	0.45
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	12	0.45
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	12	0.45
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	12	0.45
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	6	0.45
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	7	0.45
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	20	0.45
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	13	0.45
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	13	0.45
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	2	0.45
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	13	0.45
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	13	0.45
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	13	0.45
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	13	0.45
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	13	0.45
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	13	0.45
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	13	0.45
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	13	0.45
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	16	0.45
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	16	0.45
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	16	0.45
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	16	0.45
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	16	0.45
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	16	0.45
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD11	20	0.45
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD12	20	0.45
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD13	20	0.45
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD11	20	0.45
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD12	20	0.45
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD13	20	0.45
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD11	20	0.45
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD12	20	0.45
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD13	20	0.45
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	19	0.45
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	3	0.45
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	3	0.45
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	3	0.45
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE1	19	0.45
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE2	19	0.45
(1,1554)	1:D:89:ILE:H	1:D:94:MET:HE3	19	0.45
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	5	0.45
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	7	0.45
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	7	0.45
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	7	0.45
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	7	0.45
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	7	0.45
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	7	0.45
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	3	0.45
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	11	0.45
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	11	0.45
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	13	0.45
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	13	0.45
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	14	0.45
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	14	0.45
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	20	0.45
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	20	0.45
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	13	0.45
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	14	0.45
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD21	16	0.45
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD22	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD23	16	0.45
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD21	16	0.45
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD22	16	0.45
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD23	16	0.45
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	1	0.45
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	16	0.45
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	16	0.45
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	16	0.45
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	16	0.45
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	16	0.45
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	16	0.45
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	16	0.45
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	16	0.45
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	16	0.45
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	4	0.44
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	4	0.44
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	4	0.44
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	18	0.44
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	18	0.44
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	18	0.44
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	18	0.44
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	18	0.44
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	18	0.44
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	18	0.44
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	18	0.44
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	18	0.44
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	18	0.44
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	14	0.44
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	8	0.44
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	8	0.44
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	8	0.44
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD11	12	0.44
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD12	12	0.44
(1,540)	1:B:41:LYS:H	1:B:126:LEU:HD13	12	0.44
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	2	0.44
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	17	0.44
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	16	0.44
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	15	0.44
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	6	0.44
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	20	0.44
(1,324)	1:A:94:MET:H	1:A:97:CYS:H	17	0.44
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE1	6	0.44
(1,23)	1:A:13:ILE:HD11	1:A:84:PHE:HE2	6	0.44
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE1	6	0.44
(1,23)	1:A:13:ILE:HD12	1:A:84:PHE:HE2	6	0.44
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE1	6	0.44
(1,23)	1:A:13:ILE:HD13	1:A:84:PHE:HE2	6	0.44
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	16	0.44
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	16	0.44
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	16	0.44
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	16	0.44
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	16	0.44
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	16	0.44
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	16	0.44
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	16	0.44
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	16	0.44
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	19	0.44
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	5	0.44
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	5	0.44
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	5	0.44
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	2	0.44
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	2	0.44
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	2	0.44
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	6	0.44
(1,143)	1:A:44:LEU:HD11	1:A:45:ASP:H	4	0.44
(1,143)	1:A:44:LEU:HD12	1:A:45:ASP:H	4	0.44
(1,143)	1:A:44:LEU:HD13	1:A:45:ASP:H	4	0.44
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	16	0.44
(1,1390)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	16	0.44
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	16	0.44
(1,1390)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	16	0.44
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	16	0.44
(1,1390)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	16	0.44
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	8	0.44
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	8	0.44
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	8	0.44
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	8	0.44
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	8	0.44
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	8	0.44
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	8	0.44
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	8	0.44
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	8	0.44
(1,1355)	1:D:32:PHE:HD1	1:D:33:GLN:H	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:D:32:PHE:HD2	1:D:33:GLN:H	2	0.44
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	20	0.44
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	12	0.44
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	14	0.44
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	9	0.44
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	9	0.44
(1,1265)	1:C:136:LEU:HD21	1:C:137:PHE:H	16	0.44
(1,1265)	1:C:136:LEU:HD22	1:C:137:PHE:H	16	0.44
(1,1265)	1:C:136:LEU:HD23	1:C:137:PHE:H	16	0.44
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	13	0.44
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	16	0.44
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	9	0.44
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	9	0.44
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	9	0.44
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	20	0.43
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	20	0.43
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	20	0.43
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	19	0.43
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	19	0.43
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	19	0.43
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	19	0.43
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	19	0.43
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	19	0.43
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	19	0.43
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	19	0.43
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	19	0.43
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD11	13	0.43
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD12	13	0.43
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD13	13	0.43
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	15	0.43
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	15	0.43
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	7	0.43
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	10	0.43
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	17	0.43
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	16	0.43
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	16	0.43
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	16	0.43
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	10	0.43
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	4	0.43
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	1	0.43
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	1	0.43
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	13	0.43
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	10	0.43
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	18	0.43
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	10	0.43
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	2	0.43
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	11	0.43
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	14	0.43
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	3	0.43
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	13	0.43
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	17	0.43
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	3	0.43
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	9	0.43
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	9	0.43
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	9	0.43
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	15	0.43
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	8	0.43
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	8	0.43
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	8	0.43
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	1	0.43
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	1	0.43
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	1	0.43
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	10	0.43
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	17	0.43
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	19	0.43
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	20	0.43
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	20	0.43
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	20	0.43
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	20	0.43
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	20	0.43
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	20	0.43
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	20	0.43
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	20	0.43
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	20	0.43
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	6	0.43
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	14	0.43
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	14	0.43
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	13	0.43
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	13	0.43
(1,125)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	13	0.43
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	13	0.43
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	13	0.43
(1,125)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	13	0.43
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	13	0.43
(1,125)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	13	0.43
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	3	0.43
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	16	0.43
(1,1237)	1:C:118:VAL:HG21	1:C:126:LEU:H	10	0.43
(1,1237)	1:C:118:VAL:HG22	1:C:126:LEU:H	10	0.43
(1,1237)	1:C:118:VAL:HG23	1:C:126:LEU:H	10	0.43
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	3	0.43
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	8	0.43
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	15	0.43
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	6	0.43
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	8	0.43
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	8	0.43
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	20	0.42
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	11	0.42
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	2	0.42
(1,680)	1:B:65:THR:H	1:B:76:CYS:H	17	0.42
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD21	18	0.42
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD22	18	0.42
(1,678)	1:B:64:VAL:HG21	1:B:126:LEU:HD23	18	0.42
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD21	18	0.42
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD22	18	0.42
(1,678)	1:B:64:VAL:HG22	1:B:126:LEU:HD23	18	0.42
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD21	18	0.42
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD22	18	0.42
(1,678)	1:B:64:VAL:HG23	1:B:126:LEU:HD23	18	0.42
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	5	0.42
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	5	0.42
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	5	0.42
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	5	0.42
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	5	0.42
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	5	0.42
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	5	0.42
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	5	0.42
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	5	0.42
(1,454)	1:B:13:ILE:HD11	1:B:14:GLN:H	16	0.42
(1,454)	1:B:13:ILE:HD12	1:B:14:GLN:H	16	0.42
(1,454)	1:B:13:ILE:HD13	1:B:14:GLN:H	16	0.42
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	12	0.42
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	2	0.42
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	9	0.42
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	1	0.42
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB1	6	0.42
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB2	6	0.42
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB3	6	0.42
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	6	0.42
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	6	0.42
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	6	0.42
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	6	0.42
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	6	0.42
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	6	0.42
(1,1651)	1:D:134:ASP:H	1:D:136:LEU:H	5	0.42
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	17	0.42
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	17	0.42
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	17	0.42
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	12	0.42
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	8	0.42
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	20	0.42
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	19	0.42
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	19	0.42
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	19	0.42
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	19	0.42
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	19	0.42
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	19	0.42
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	19	0.42
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	19	0.42
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	19	0.42
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	15	0.42
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	9	0.42
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	9	0.42
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	9	0.42
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	9	0.42
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	9	0.42
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	9	0.42
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	9	0.42
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	9	0.42
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	12	0.42
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	12	0.42
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	5	0.42
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	8	0.42
(1,1179)	1:C:93:GLN:H	1:C:96:HIS:H	10	0.42
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	1	0.41
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	15	0.41
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	7	0.41
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	18	0.41
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	2	0.41
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	6	0.41
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	12	0.41
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	5	0.41
(1,772)	1:B:96:HIS:H	1:B:98:LEU:H	1	0.41
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	20	0.41
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	5	0.41
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	5	0.41
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	5	0.41
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD11	6	0.41
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD12	6	0.41
(1,663)	1:B:62:VAL:HG21	1:B:128:LEU:HD13	6	0.41
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD11	6	0.41
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD12	6	0.41
(1,663)	1:B:62:VAL:HG22	1:B:128:LEU:HD13	6	0.41
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD11	6	0.41
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD12	6	0.41
(1,663)	1:B:62:VAL:HG23	1:B:128:LEU:HD13	6	0.41
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	17	0.41
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	12	0.41
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	12	0.41
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	12	0.41
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	11	0.41
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	5	0.41
(1,403)	1:A:129:ALA:HB1	1:C:13:ILE:H	11	0.41
(1,403)	1:A:129:ALA:HB2	1:C:13:ILE:H	11	0.41
(1,403)	1:A:129:ALA:HB3	1:C:13:ILE:H	11	0.41
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	18	0.41
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	16	0.41
(1,1660)	1:D:136:LEU:HD11	1:D:140:TYR:H	3	0.41
(1,1660)	1:D:136:LEU:HD12	1:D:140:TYR:H	3	0.41
(1,1660)	1:D:136:LEU:HD13	1:D:140:TYR:H	3	0.41
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	11	0.41
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	11	0.41
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	11	0.41
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	18	0.41
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	18	0.41
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	8	0.41
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	6	0.41
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	13	0.41
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	13	0.41
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	13	0.41
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	13	0.41
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	3	0.41
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	3	0.41
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	18	0.41
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	18	0.41
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	6	0.41
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	6	0.41
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	6	0.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	6	0.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	6	0.41
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	6	0.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	6	0.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	6	0.41
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	6	0.41
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	13	0.41
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	13	0.41
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	13	0.41
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	13	0.41
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	15	0.41
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	19	0.41
(1,1108)	1:C:68:LEU:H	1:C:70:GLU:H	6	0.41
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD11	2	0.4
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD12	2	0.4
(1,90)	1:A:31:VAL:H	1:A:68:LEU:HD13	2	0.4
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	19	0.4
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	19	0.4
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	3	0.4
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	14	0.4
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	14	0.4
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	5	0.4
(1,764)	1:B:94:MET:H	1:B:97:CYS:H	10	0.4
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	9	0.4
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	9	0.4
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	9	0.4
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	9	0.4
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	9	0.4
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	9	0.4
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	9	0.4
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	9	0.4
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	2	0.4
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	4	0.4
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	2	0.4
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	2	0.4
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG11	7	0.4
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG12	7	0.4
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG13	7	0.4
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	4	0.4
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	4	0.4
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	11	0.4
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	9	0.4
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	2	0.4
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	19	0.4
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	20	0.4
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	6	0.4
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	6	0.4
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	6	0.4
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	6	0.4
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	6	0.4
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	6	0.4
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	6	0.4
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	6	0.4
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	6	0.4
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	1	0.4
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	1	0.4
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	1	0.4
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	1	0.4
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	1	0.4
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	1	0.4
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	1	0.4
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	1	0.4
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	1	0.4
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	9	0.4
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	9	0.4
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	9	0.4
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	9	0.4
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	9	0.4
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	9	0.4
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	9	0.4
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	9	0.4
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	7	0.4
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	7	0.4
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	7	0.4
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	7	0.4
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	7	0.4
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	7	0.4
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	7	0.4
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	7	0.4
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	7	0.4
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	3	0.4
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	3	0.4
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	3	0.4
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	12	0.4
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	18	0.4
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	3	0.4
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	5	0.4
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	5	0.4
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	5	0.4
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	12	0.4
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	12	0.4
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	12	0.4
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	20	0.4
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	7	0.4
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	2	0.4
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	20	0.4
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	15	0.4
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	15	0.4
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	15	0.4
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	13	0.4
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	18	0.4
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	6	0.4
(1,1188)	1:C:96:HIS:H	1:C:98:LEU:H	10	0.4
(1,1175)	1:C:91:GLY:H	1:C:94:MET:H	13	0.4
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	1	0.4
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	11	0.4
(1,1159)	1:C:86:ILE:HD11	1:C:87:ALA:H	13	0.4
(1,1159)	1:C:86:ILE:HD12	1:C:87:ALA:H	13	0.4
(1,1159)	1:C:86:ILE:HD13	1:C:87:ALA:H	13	0.4
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	7	0.4
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	8	0.39
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	8	0.39
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	8	0.39
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	10	0.39
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	1	0.39
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	1	0.39
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	20	0.39
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	20	0.39
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	14	0.39
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	14	0.39
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	10	0.39
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD11	2	0.39
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD12	2	0.39
(1,765)	1:B:94:MET:HE1	1:B:98:LEU:HD13	2	0.39
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD11	2	0.39
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD12	2	0.39
(1,765)	1:B:94:MET:HE2	1:B:98:LEU:HD13	2	0.39
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD11	2	0.39
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD12	2	0.39
(1,765)	1:B:94:MET:HE3	1:B:98:LEU:HD13	2	0.39
(1,675)	1:B:64:VAL:HG21	1:B:76:CYS:H	18	0.39
(1,675)	1:B:64:VAL:HG22	1:B:76:CYS:H	18	0.39
(1,675)	1:B:64:VAL:HG23	1:B:76:CYS:H	18	0.39
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	17	0.39
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	17	0.39
(1,556)	1:B:42:LEU:HD21	1:B:129:ALA:H	19	0.39
(1,556)	1:B:42:LEU:HD22	1:B:129:ALA:H	19	0.39
(1,556)	1:B:42:LEU:HD23	1:B:129:ALA:H	19	0.39
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	7	0.39
(1,455)	1:B:13:ILE:HD11	1:B:15:ARG:H	16	0.39
(1,455)	1:B:13:ILE:HD12	1:B:15:ARG:H	16	0.39
(1,455)	1:B:13:ILE:HD13	1:B:15:ARG:H	16	0.39
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	11	0.39
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	17	0.39
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	4	0.39
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	1	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	12	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	12	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	12	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	12	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	12	0.39
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	12	0.39
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	12	0.39
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	12	0.39
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	12	0.39
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	12	0.39
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	12	0.39
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	12	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD11	10	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD12	10	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD13	10	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD21	10	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD22	10	0.39
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD23	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD11	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD12	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD13	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD21	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD22	10	0.39
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD23	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD11	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD12	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD13	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD21	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD22	10	0.39
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD23	10	0.39
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE1	13	0.39
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE2	13	0.39
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE3	13	0.39
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE1	13	0.39
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE2	13	0.39
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE3	13	0.39
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE1	13	0.39
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE2	13	0.39
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE3	13	0.39
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	12	0.39
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	12	0.39
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	12	0.39
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	12	0.39
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	12	0.39
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	12	0.39
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	12	0.39
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	12	0.39
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	18	0.39
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	20	0.39
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	1	0.39
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	17	0.39
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	2	0.39
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	6	0.39
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	4	0.39
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	11	0.39
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	19	0.39
(1,1247)	1:C:126:LEU:H	1:C:127:ASN:H	7	0.39
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	3	0.39
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	7	0.39
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	7	0.39
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	17	0.39
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	14	0.39
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	20	0.39
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD1	6	0.39
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD2	6	0.39
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD21	20	0.38
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD22	20	0.38
(1,999)	1:C:44:LEU:HD11	1:C:60:LEU:HD23	20	0.38
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD21	20	0.38
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD22	20	0.38
(1,999)	1:C:44:LEU:HD12	1:C:60:LEU:HD23	20	0.38
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD21	20	0.38
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD22	20	0.38
(1,999)	1:C:44:LEU:HD13	1:C:60:LEU:HD23	20	0.38
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	1	0.38
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	1	0.38
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	1	0.38
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	19	0.38
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	7	0.38
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	7	0.38
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	7	0.38
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	3	0.38
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	4	0.38
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	6	0.38
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	10	0.38
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	10	0.38
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	10	0.38
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	10	0.38
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	10	0.38
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	10	0.38
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	10	0.38
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	10	0.38
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	10	0.38
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	1	0.38
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	6	0.38
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD11	12	0.38
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD12	12	0.38
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD13	12	0.38
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD11	12	0.38
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD12	12	0.38
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD13	12	0.38
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD11	12	0.38
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD12	12	0.38
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD13	12	0.38
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	16	0.38
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	3	0.38
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	19	0.38
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	2	0.38
(1,410)	1:A:133:PHE:H	1:A:136:LEU:H	14	0.38
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	16	0.38
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	6	0.38
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	9	0.38
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	14	0.38
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	17	0.38
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	3	0.38
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	12	0.38
(1,1673)	1:D:140:TYR:HD1	1:D:141:LEU:H	17	0.38
(1,1673)	1:D:140:TYR:HD2	1:D:141:LEU:H	17	0.38
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	6	0.38
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	8	0.38
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	15	0.38
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	14	0.38
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	7	0.38
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD1	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:D:100:ALA:HB1	1:D:133:PHE:HD2	3	0.38
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD1	3	0.38
(1,1595)	1:D:100:ALA:HB2	1:D:133:PHE:HD2	3	0.38
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD1	3	0.38
(1,1595)	1:D:100:ALA:HB3	1:D:133:PHE:HD2	3	0.38
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	9	0.38
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	6	0.38
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	3	0.38
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	1	0.38
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	5	0.38
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	14	0.38
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	2	0.38
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	18	0.38
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	8	0.38
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	14	0.38
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	18	0.38
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	1	0.38
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	12	0.38
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	12	0.38
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	12	0.38
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	12	0.38
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	12	0.38
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	12	0.38
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	11	0.38
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	11	0.38
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	14	0.38
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	19	0.38
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	19	0.38
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	7	0.38
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	4	0.38
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	17	0.38
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	17	0.38
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	17	0.38
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	18	0.38
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	18	0.38
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	20	0.37
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	13	0.37
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	11	0.37
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	11	0.37
(1,847)	1:B:134:ASP:H	1:B:137:PHE:H	13	0.37
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	3	0.37
(1,773)	1:B:96:HIS:H	1:B:99:GLY:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	3	0.37
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	15	0.37
(1,641)	1:B:60:LEU:H	1:B:80:GLN:H	12	0.37
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	19	0.37
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	19	0.37
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	19	0.37
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	19	0.37
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	19	0.37
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	19	0.37
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	19	0.37
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	19	0.37
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	19	0.37
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	18	0.37
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	10	0.37
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	10	0.37
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	13	0.37
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	19	0.37
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	4	0.37
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	20	0.37
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	20	0.37
(1,436)	1:B:9:MET:HE1	1:B:10:THR:H	20	0.37
(1,436)	1:B:9:MET:HE2	1:B:10:THR:H	20	0.37
(1,436)	1:B:9:MET:HE3	1:B:10:THR:H	20	0.37
(1,431)	1:A:139:ASN:H	1:A:141:LEU:H	4	0.37
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	4	0.37
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	3	0.37
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	8	0.37
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	8	0.37
(1,276)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	8	0.37
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	8	0.37
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	8	0.37
(1,276)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	8	0.37
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	17	0.37
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	8	0.37
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	8	0.37
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	8	0.37
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	8	0.37
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	8	0.37
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	8	0.37
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	8	0.37
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	8	0.37
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	10	0.37
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	10	0.37
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	10	0.37
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	10	0.37
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	10	0.37
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	10	0.37
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	10	0.37
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	10	0.37
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	10	0.37
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	19	0.37
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	12	0.37
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	13	0.37
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	13	0.37
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	13	0.37
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	16	0.37
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	3	0.37
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	3	0.37
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	3	0.37
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	3	0.37
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	3	0.37
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	3	0.37
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	20	0.37
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	11	0.37
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	11	0.37
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	11	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	11	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	11	0.37
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	11	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	11	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	11	0.37
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	11	0.37
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	8	0.37
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	18	0.37
(1,99)	1:A:32:PHE:H	1:A:34:LYS:H	6	0.36
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	8	0.36
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	19	0.36
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	5	0.36
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	5	0.36
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	5	0.36
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	17	0.36
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	19	0.36
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	8	0.36
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	12	0.36
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	12	0.36
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	9	0.36
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	7	0.36
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	15	0.36
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	8	0.36
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	8	0.36
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	8	0.36
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	8	0.36
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	8	0.36
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	8	0.36
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	8	0.36
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	16	0.36
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	16	0.36
(1,399)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	16	0.36
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	16	0.36
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	16	0.36
(1,399)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	16	0.36
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	16	0.36
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	16	0.36
(1,399)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	16	0.36
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	3	0.36
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	15	0.36
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	17	0.36
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	15	0.36
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	5	0.36
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	5	0.36
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	13	0.36
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	13	0.36
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	13	0.36
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	13	0.36
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	13	0.36
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	13	0.36
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	13	0.36
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	13	0.36
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	13	0.36
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	19	0.36
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	19	0.36
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	19	0.36
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	19	0.36
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	19	0.36
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	19	0.36
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	19	0.36
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	19	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD11	11	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD12	11	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD13	11	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD21	11	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD22	11	0.36
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD23	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD11	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD12	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD13	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD21	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD22	11	0.36
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD23	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD11	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD12	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD13	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD21	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD22	11	0.36
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD23	11	0.36
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	19	0.36
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	3	0.36
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	18	0.36
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	18	0.36
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	2	0.36
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	6	0.36
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	6	0.36
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	6	0.36
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	15	0.36
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	15	0.36
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	15	0.36
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	15	0.36
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	15	0.36
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	15	0.36
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	15	0.36
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	15	0.36
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	15	0.36
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	3	0.36
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD1	4	0.36
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD2	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	3	0.36
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	20	0.36
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	2	0.36
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	4	0.36
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	4	0.36
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	4	0.36
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	4	0.36
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	4	0.36
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	4	0.36
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	20	0.36
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	20	0.36
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	5	0.36
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	8	0.36
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	14	0.36
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	1	0.36
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	20	0.36
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	11	0.36
(1,1066)	1:C:60:LEU:H	1:C:80:GLN:H	13	0.36
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	1	0.36
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	10	0.35
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	10	0.35
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	10	0.35
(1,9)	1:A:11:PHE:HE1	1:A:12:GLN:H	11	0.35
(1,9)	1:A:11:PHE:HE2	1:A:12:GLN:H	11	0.35
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	6	0.35
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	6	0.35
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	12	0.35
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	12	0.35
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	4	0.35
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	4	0.35
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	4	0.35
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	2	0.35
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	12	0.35
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	13	0.35
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	1	0.35
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	17	0.35
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	14	0.35
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	17	0.35
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	17	0.35
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	17	0.35
(1,518)	1:B:32:PHE:HD1	1:B:33:GLN:H	8	0.35
(1,518)	1:B:32:PHE:HD2	1:B:33:GLN:H	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:B:32:PHE:HD1	1:B:33:GLN:H	11	0.35
(1,518)	1:B:32:PHE:HD2	1:B:33:GLN:H	11	0.35
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	7	0.35
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	4	0.35
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	14	0.35
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	12	0.35
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	14	0.35
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	14	0.35
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	14	0.35
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	17	0.35
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	11	0.35
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	11	0.35
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	11	0.35
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	16	0.35
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	16	0.35
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	16	0.35
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	18	0.35
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	8	0.35
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	13	0.35
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	10	0.35
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	18	0.35
(1,194)	1:A:58:VAL:H	1:A:82:GLY:H	7	0.35
(1,194)	1:A:58:VAL:H	1:A:82:GLY:H	11	0.35
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	13	0.35
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	9	0.35
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	14	0.35
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	5	0.35
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	19	0.35
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	5	0.35
(1,162)	1:A:49:SER:H	1:A:59:VAL:H	10	0.35
(1,1594)	1:D:100:ALA:HB1	1:D:133:PHE:H	11	0.35
(1,1594)	1:D:100:ALA:HB2	1:D:133:PHE:H	11	0.35
(1,1594)	1:D:100:ALA:HB3	1:D:133:PHE:H	11	0.35
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	1	0.35
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	3	0.35
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	20	0.35
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	17	0.35
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	9	0.35
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	14	0.35
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	15	0.35
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	16	0.35
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD11	19	0.35
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD12	19	0.35
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD13	19	0.35
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD11	19	0.35
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD12	19	0.35
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD13	19	0.35
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD11	19	0.35
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD12	19	0.35
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD13	19	0.35
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	5	0.35
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	20	0.35
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	20	0.35
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	20	0.35
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	15	0.35
(1,1194)	1:C:99:GLY:H	1:C:101:TYR:H	9	0.35
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	17	0.35
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	18	0.35
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	5	0.35
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	5	0.35
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	5	0.35
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	5	0.35
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	5	0.35
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	5	0.35
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	5	0.35
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	5	0.35
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	5	0.35
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	14	0.35
(1,1159)	1:C:86:ILE:HD11	1:C:87:ALA:H	12	0.35
(1,1159)	1:C:86:ILE:HD12	1:C:87:ALA:H	12	0.35
(1,1159)	1:C:86:ILE:HD13	1:C:87:ALA:H	12	0.35
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	19	0.35
(1,1111)	1:C:68:LEU:H	1:C:73:ALA:H	17	0.35
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	14	0.35
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	17	0.34
(1,914)	1:C:19:LYS:H	1:C:81:GLY:H	16	0.34
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	2	0.34
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	2	0.34
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	17	0.34
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	17	0.34
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	17	0.34
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	17	0.34
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	17	0.34
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	18	0.34
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	12	0.34
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	8	0.34
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	14	0.34
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	14	0.34
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	14	0.34
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	14	0.34
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	14	0.34
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	14	0.34
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	14	0.34
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	14	0.34
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	14	0.34
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	14	0.34
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	14	0.34
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	14	0.34
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	4	0.34
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	4	0.34
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	4	0.34
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	4	0.34
(1,703)	1:B:70:GLU:H	1:B:71:GLU:H	14	0.34
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	8	0.34
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	13	0.34
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	13	0.34
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	13	0.34
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	6	0.34
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	4	0.34
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	4	0.34
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	17	0.34
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	3	0.34
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	10	0.34
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	6	0.34
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	17	0.34
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	10	0.34
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	10	0.34
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	10	0.34
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	13	0.34
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	13	0.34
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	13	0.34
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	12	0.34
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD11	14	0.34
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD12	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD13	14	0.34
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	9	0.34
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	20	0.34
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	9	0.34
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	17	0.34
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	6	0.34
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	6	0.34
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	6	0.34
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	6	0.34
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	6	0.34
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	6	0.34
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	6	0.34
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	6	0.34
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	6	0.34
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	4	0.34
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	18	0.34
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	18	0.34
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	9	0.34
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	18	0.34
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	18	0.34
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	18	0.34
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	5	0.34
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	16	0.34
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	18	0.34
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	16	0.34
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	7	0.34
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	9	0.34
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	11	0.34
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	9	0.34
(1,1290)	1:D:11:PHE:HE1	1:D:102:CYS:H	17	0.34
(1,1290)	1:D:11:PHE:HE2	1:D:102:CYS:H	17	0.34
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	16	0.34
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	16	0.34
(1,1280)	1:D:10:THR:H	1:D:87:ALA:H	15	0.34
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	20	0.34
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	7	0.34
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	7	0.34
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	7	0.34
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	19	0.34
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	9	0.34
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	12	0.34
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	17	0.34
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	3	0.34
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	10	0.34
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	15	0.33
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	15	0.33
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	1	0.33
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	19	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD21	3	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD22	3	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD23	3	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD21	3	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD22	3	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD23	3	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD21	3	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD22	3	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD23	3	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD21	5	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD22	5	0.33
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD23	5	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD21	5	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD22	5	0.33
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD23	5	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD21	5	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD22	5	0.33
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD23	5	0.33
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	10	0.33
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	10	0.33
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	10	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	10	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	10	0.33
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	10	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	10	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	10	0.33
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	10	0.33
(1,581)	1:B:47:ALA:H	1:B:61:ARG:H	14	0.33
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	1	0.33
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	1	0.33
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	1	0.33
(1,463)	1:B:14:GLN:H	1:B:85:SER:H	18	0.33
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	1	0.33
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	19	0.33
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	19	0.33
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	17	0.33
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	4	0.33
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	11	0.33
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	11	0.33
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	11	0.33
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	11	0.33
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	11	0.33
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	11	0.33
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	11	0.33
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	11	0.33
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	11	0.33
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	8	0.33
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	10	0.33
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	15	0.33
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	18	0.33
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	18	0.33
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	18	0.33
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	18	0.33
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	18	0.33
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	18	0.33
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	18	0.33
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	18	0.33
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	18	0.33
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	19	0.33
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	20	0.33
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	8	0.33
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	19	0.33
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	1	0.33
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	10	0.33
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	11	0.33
(1,1646)	1:D:133:PHE:H	1:D:134:ASP:H	20	0.33
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	3	0.33
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	3	0.33
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	20	0.33
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	11	0.33
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	9	0.33
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD1	6	0.33
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD2	6	0.33
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	4	0.33
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	12	0.33
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	13	0.33
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	14	0.33
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	11	0.33
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	11	0.33
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	3	0.33
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	3	0.33
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	14	0.33
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	14	0.33
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	18	0.33
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	18	0.33
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	2	0.33
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	2	0.33
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	4	0.33
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	4	0.33
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	11	0.33
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	15	0.33
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	5	0.33
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	17	0.32
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	17	0.32
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	17	0.32
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	19	0.32
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	9	0.32
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	7	0.32
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	10	0.32
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	10	0.32
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	10	0.32
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	10	0.32
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	10	0.32
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	10	0.32
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	10	0.32
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	10	0.32
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	10	0.32
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	12	0.32
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	8	0.32
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	20	0.32
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	2	0.32
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	3	0.32
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	3	0.32
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	3	0.32
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	7	0.32
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	3	0.32
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	15	0.32
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	15	0.32
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	8	0.32
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	3	0.32
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	7	0.32
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	7	0.32
(1,535)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	7	0.32
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	7	0.32
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	7	0.32
(1,535)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	7	0.32
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	7	0.32
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	7	0.32
(1,535)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	7	0.32
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD21	14	0.32
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD22	14	0.32
(1,525)	1:B:36:TRP:HE3	1:B:68:LEU:HD23	14	0.32
(1,50)	1:A:19:LYS:H	1:A:81:GLY:H	13	0.32
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	17	0.32
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	6	0.32
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	1	0.32
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	4	0.32
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	10	0.32
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	5	0.32
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	9	0.32
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	11	0.32
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	8	0.32
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	10	0.32
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	12	0.32
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	9	0.32
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	14	0.32
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	14	0.32
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	14	0.32
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	14	0.32
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	14	0.32
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	14	0.32
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	14	0.32
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	14	0.32
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	14	0.32
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	19	0.32
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	19	0.32
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	19	0.32
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	19	0.32
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	19	0.32
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	19	0.32
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	19	0.32
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	19	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE1	3	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE2	3	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE3	3	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE1	3	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE2	3	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE3	3	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE1	3	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE2	3	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE3	3	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE1	10	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE2	10	0.32
(1,1679)	1:C:94:MET:HE1	2:E:174:MET:HE3	10	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE1	10	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE2	10	0.32
(1,1679)	1:C:94:MET:HE2	2:E:174:MET:HE3	10	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE1	10	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE2	10	0.32
(1,1679)	1:C:94:MET:HE3	2:E:174:MET:HE3	10	0.32
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	17	0.32
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	5	0.32
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	6	0.32
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	20	0.32
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD21	12	0.32
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD22	12	0.32
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD23	12	0.32
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD21	12	0.32
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD22	12	0.32
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD23	12	0.32
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD21	12	0.32
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD22	12	0.32
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD23	12	0.32
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	2	0.32
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	11	0.32
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	2	0.32
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	2	0.32
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	2	0.32
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	13	0.32
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	13	0.32
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD1	8	0.32
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD2	8	0.32
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	10	0.32
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	15	0.32
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	16	0.32
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	12	0.32
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	12	0.32
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	10	0.32
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	10	0.32
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	16	0.32
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	16	0.32
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	16	0.32
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	9	0.32
(1,1175)	1:C:91:GLY:H	1:C:94:MET:H	18	0.32
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	2	0.32
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	2	0.32
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	2	0.32
(1,1163)	1:C:87:ALA:H	1:C:88:GLY:H	18	0.32
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	5	0.32
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	6	0.32
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	12	0.32
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	5	0.32
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	10	0.32
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	7	0.32
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	7	0.32
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	7	0.32
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	7	0.32
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	7	0.32
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	7	0.32
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	14	0.32
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	14	0.32
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	14	0.32
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	12	0.31
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	3	0.31
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	18	0.31
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	18	0.31
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	18	0.31
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	13	0.31
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	13	0.31
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	7	0.31
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	4	0.31
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	4	0.31
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	3	0.31
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	3	0.31
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	12	0.31
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	16	0.31
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	3	0.31
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	3	0.31
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	3	0.31
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	3	0.31
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	3	0.31
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	3	0.31
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	5	0.31
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	5	0.31
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	5	0.31
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	5	0.31
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	5	0.31
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	5	0.31
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	18	0.31
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	2	0.31
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	3	0.31
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	12	0.31
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	12	0.31
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	9	0.31
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	6	0.31
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	5	0.31
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	12	0.31
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	18	0.31
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	10	0.31
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	10	0.31
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	10	0.31
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	5	0.31
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	13	0.31
(1,454)	1:B:13:ILE:HD11	1:B:14:GLN:H	4	0.31
(1,454)	1:B:13:ILE:HD12	1:B:14:GLN:H	4	0.31
(1,454)	1:B:13:ILE:HD13	1:B:14:GLN:H	4	0.31
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	18	0.31
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	4	0.31
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	9	0.31
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	13	0.31
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	19	0.31
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	2	0.31
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	3	0.31
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	11	0.31
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	9	0.31
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	16	0.31
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	17	0.31
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD11	4	0.31
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD12	4	0.31
(1,309)	1:A:88:GLY:H	1:A:89:ILE:HD13	4	0.31
(1,302)	1:A:86:ILE:HD11	1:A:89:ILE:HD11	14	0.31
(1,302)	1:A:86:ILE:HD11	1:A:89:ILE:HD12	14	0.31
(1,302)	1:A:86:ILE:HD11	1:A:89:ILE:HD13	14	0.31
(1,302)	1:A:86:ILE:HD12	1:A:89:ILE:HD11	14	0.31
(1,302)	1:A:86:ILE:HD12	1:A:89:ILE:HD12	14	0.31
(1,302)	1:A:86:ILE:HD12	1:A:89:ILE:HD13	14	0.31
(1,302)	1:A:86:ILE:HD13	1:A:89:ILE:HD11	14	0.31
(1,302)	1:A:86:ILE:HD13	1:A:89:ILE:HD12	14	0.31
(1,302)	1:A:86:ILE:HD13	1:A:89:ILE:HD13	14	0.31
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	6	0.31
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	15	0.31
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	2	0.31
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	7	0.31
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	7	0.31
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	7	0.31
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	7	0.31
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	7	0.31
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	7	0.31
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	7	0.31
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	7	0.31
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	7	0.31
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB1	6	0.31
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB2	6	0.31
(1,17)	1:A:13:ILE:H	1:C:135:ALA:HB3	6	0.31
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	17	0.31
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	17	0.31
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	17	0.31
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	17	0.31
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	17	0.31
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	17	0.31
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	17	0.31
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	17	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	7	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	7	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	7	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	7	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	7	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	7	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	7	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	7	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	7	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	15	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	15	0.31
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	15	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	15	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	15	0.31
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	15	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	15	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	15	0.31
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	15	0.31
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	18	0.31
(1,1652)	1:D:134:ASP:H	1:D:137:PHE:H	3	0.31
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	13	0.31
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	13	0.31
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	13	0.31
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	13	0.31
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	13	0.31
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	13	0.31
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	13	0.31
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	13	0.31
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	13	0.31
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	6	0.31
(1,1636)	1:D:121:GLY:H	1:D:123:PHE:H	13	0.31
(1,1594)	1:D:100:ALA:HB1	1:D:133:PHE:H	1	0.31
(1,1594)	1:D:100:ALA:HB2	1:D:133:PHE:H	1	0.31
(1,1594)	1:D:100:ALA:HB3	1:D:133:PHE:H	1	0.31
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	13	0.31
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	16	0.31
(1,1545)	1:D:86:ILE:HD11	1:D:88:GLY:H	3	0.31
(1,1545)	1:D:86:ILE:HD12	1:D:88:GLY:H	3	0.31
(1,1545)	1:D:86:ILE:HD13	1:D:88:GLY:H	3	0.31
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	4	0.31
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	19	0.31
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	19	0.31
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	12	0.31
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	6	0.31
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	6	0.31
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	6	0.31
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	6	0.31
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	6	0.31
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	6	0.31
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	6	0.31
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	6	0.31
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	6	0.31
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	13	0.31
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	13	0.31
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	13	0.31
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	13	0.31
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	13	0.31
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	13	0.31
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	13	0.31
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	13	0.31
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	13	0.31
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	4	0.31
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	4	0.31
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	4	0.31
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	4	0.31
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	4	0.31
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	4	0.31
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE1	7	0.31
(1,1294)	1:D:13:ILE:HD11	1:D:101:TYR:HE2	7	0.31
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE1	7	0.31
(1,1294)	1:D:13:ILE:HD12	1:D:101:TYR:HE2	7	0.31
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE1	7	0.31
(1,1294)	1:D:13:ILE:HD13	1:D:101:TYR:HE2	7	0.31
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	13	0.31
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	13	0.31
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	1	0.31
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	16	0.31
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	10	0.31
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	7	0.31
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	7	0.31
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	7	0.31
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD21	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD22	9	0.31
(1,1132)	1:C:74:PHE:HE1	1:C:126:LEU:HD23	9	0.31
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD21	9	0.31
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD22	9	0.31
(1,1132)	1:C:74:PHE:HE2	1:C:126:LEU:HD23	9	0.31
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	10	0.31
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	19	0.31
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	16	0.31
(1,101)	1:A:33:GLN:H	1:A:34:LYS:H	6	0.31
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	17	0.3
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	16	0.3
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	16	0.3
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	16	0.3
(1,94)	1:A:31:VAL:HG21	1:A:36:TRP:HZ3	2	0.3
(1,94)	1:A:31:VAL:HG22	1:A:36:TRP:HZ3	2	0.3
(1,94)	1:A:31:VAL:HG23	1:A:36:TRP:HZ3	2	0.3
(1,91)	1:A:31:VAL:HG11	1:A:32:PHE:H	18	0.3
(1,91)	1:A:31:VAL:HG12	1:A:32:PHE:H	18	0.3
(1,91)	1:A:31:VAL:HG13	1:A:32:PHE:H	18	0.3
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	1	0.3
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	8	0.3
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	3	0.3
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	17	0.3
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	7	0.3
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	12	0.3
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	8	0.3
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	6	0.3
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	7	0.3
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	7	0.3
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	5	0.3
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	8	0.3
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	4	0.3
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	19	0.3
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	7	0.3
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	7	0.3
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	8	0.3
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	9	0.3
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD21	18	0.3
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD22	18	0.3
(1,552)	1:B:42:LEU:HD21	1:B:126:LEU:HD23	18	0.3
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD21	18	0.3
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD22	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:B:42:LEU:HD22	1:B:126:LEU:HD23	18	0.3
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD21	18	0.3
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD22	18	0.3
(1,552)	1:B:42:LEU:HD23	1:B:126:LEU:HD23	18	0.3
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	14	0.3
(1,49)	1:A:19:LYS:H	1:A:80:GLN:H	13	0.3
(1,476)	1:B:19:LYS:H	1:B:20:ASP:H	7	0.3
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	10	0.3
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	12	0.3
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	12	0.3
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	12	0.3
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	11	0.3
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	9	0.3
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	14	0.3
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	15	0.3
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	16	0.3
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	6	0.3
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	6	0.3
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	6	0.3
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	20	0.3
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	19	0.3
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	11	0.3
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	18	0.3
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	5	0.3
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	20	0.3
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	1	0.3
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	4	0.3
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	11	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD11	9	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD12	9	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD13	9	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD21	9	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD22	9	0.3
(1,1732)	1:A:87:ALA:HB1	2:G:173:LEU:HD23	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD11	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD12	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD13	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD21	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD22	9	0.3
(1,1732)	1:A:87:ALA:HB2	2:G:173:LEU:HD23	9	0.3
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD11	9	0.3
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD12	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD13	9	0.3
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD21	9	0.3
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD22	9	0.3
(1,1732)	1:A:87:ALA:HB3	2:G:173:LEU:HD23	9	0.3
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	19	0.3
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	19	0.3
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	19	0.3
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	19	0.3
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	19	0.3
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	19	0.3
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	19	0.3
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	19	0.3
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	19	0.3
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	7	0.3
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	3	0.3
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	5	0.3
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	6	0.3
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	18	0.3
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	14	0.3
(1,1546)	1:D:86:ILE:HD11	1:D:89:ILE:H	1	0.3
(1,1546)	1:D:86:ILE:HD12	1:D:89:ILE:H	1	0.3
(1,1546)	1:D:86:ILE:HD13	1:D:89:ILE:H	1	0.3
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	5	0.3
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	6	0.3
(1,1452)	1:D:60:LEU:H	1:D:81:GLY:H	10	0.3
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	20	0.3
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	20	0.3
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	11	0.3
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	3	0.3
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	17	0.3
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	13	0.3
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	8	0.3
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	7	0.3
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	7	0.3
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	2	0.3
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	2	0.3
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	8	0.3
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	8	0.3
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD21	4	0.3
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD22	4	0.3
(1,1269)	1:C:137:PHE:HE1	1:C:141:LEU:HD23	4	0.3
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD21	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD22	4	0.3
(1,1269)	1:C:137:PHE:HE2	1:C:141:LEU:HD23	4	0.3
(1,1206)	1:C:110:ALA:H	1:C:112:GLU:H	11	0.3
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	5	0.3
(1,1188)	1:C:96:HIS:H	1:C:98:LEU:H	13	0.3
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	16	0.3
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	6	0.3
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	6	0.3
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	6	0.3
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	6	0.3
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	6	0.3
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	6	0.3
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	6	0.3
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	6	0.3
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	6	0.3
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	1	0.3
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	1	0.3
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	1	0.3
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	19	0.29
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	19	0.29
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	19	0.29
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	16	0.29
(1,948)	1:C:28:ALA:HB1	1:D:17:TYR:HE1	20	0.29
(1,948)	1:C:28:ALA:HB1	1:D:17:TYR:HE2	20	0.29
(1,948)	1:C:28:ALA:HB2	1:D:17:TYR:HE1	20	0.29
(1,948)	1:C:28:ALA:HB2	1:D:17:TYR:HE2	20	0.29
(1,948)	1:C:28:ALA:HB3	1:D:17:TYR:HE1	20	0.29
(1,948)	1:C:28:ALA:HB3	1:D:17:TYR:HE2	20	0.29
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	4	0.29
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	2	0.29
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	6	0.29
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	19	0.29
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	2	0.29
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	2	0.29
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	2	0.29
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	17	0.29
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	17	0.29
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	5	0.29
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	5	0.29
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	5	0.29
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	5	0.29
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	5	0.29
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	7	0.29
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	6	0.29
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD21	6	0.29
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD22	6	0.29
(1,548)	1:B:42:LEU:HD11	1:B:126:LEU:HD23	6	0.29
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD21	6	0.29
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD22	6	0.29
(1,548)	1:B:42:LEU:HD12	1:B:126:LEU:HD23	6	0.29
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD21	6	0.29
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD22	6	0.29
(1,548)	1:B:42:LEU:HD13	1:B:126:LEU:HD23	6	0.29
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	18	0.29
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	10	0.29
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	5	0.29
(1,455)	1:B:13:ILE:HD11	1:B:15:ARG:H	4	0.29
(1,455)	1:B:13:ILE:HD12	1:B:15:ARG:H	4	0.29
(1,455)	1:B:13:ILE:HD13	1:B:15:ARG:H	4	0.29
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	17	0.29
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	11	0.29
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	4	0.29
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	18	0.29
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	4	0.29
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	15	0.29
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	15	0.29
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	15	0.29
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	16	0.29
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	12	0.29
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	4	0.29
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	6	0.29
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD11	7	0.29
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD12	7	0.29
(1,190)	1:A:56:TYR:HD1	1:A:86:ILE:HD13	7	0.29
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD11	7	0.29
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD12	7	0.29
(1,190)	1:A:56:TYR:HD2	1:A:86:ILE:HD13	7	0.29
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	20	0.29
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	5	0.29
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	5	0.29
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	5	0.29
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	5	0.29
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	5	0.29
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	5	0.29
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	5	0.29
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	5	0.29
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	18	0.29
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	8	0.29
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	14	0.29
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	2	0.29
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	3	0.29
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	16	0.29
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	11	0.29
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	14	0.29
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	2	0.29
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	14	0.29
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	14	0.29
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	14	0.29
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	14	0.29
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	5	0.29
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	13	0.29
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	18	0.29
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG11	18	0.29
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG12	18	0.29
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG13	18	0.29
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	7	0.29
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	7	0.29
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	10	0.29
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	15	0.29
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	8	0.29
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	16	0.29
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	19	0.29
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	14	0.29
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	17	0.29
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	11	0.29
(1,1173)	1:C:90:GLU:H	1:C:94:MET:H	6	0.29
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	14	0.29
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	15	0.29
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	11	0.29
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	16	0.28
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	12	0.28
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	12	0.28
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	12	0.28
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	12	0.28
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	12	0.28
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	12	0.28
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	12	0.28
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	12	0.28
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	8	0.28
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	11	0.28
(1,890)	1:C:13:ILE:HD11	1:C:84:PHE:HE1	15	0.28
(1,890)	1:C:13:ILE:HD11	1:C:84:PHE:HE2	15	0.28
(1,890)	1:C:13:ILE:HD12	1:C:84:PHE:HE1	15	0.28
(1,890)	1:C:13:ILE:HD12	1:C:84:PHE:HE2	15	0.28
(1,890)	1:C:13:ILE:HD13	1:C:84:PHE:HE1	15	0.28
(1,890)	1:C:13:ILE:HD13	1:C:84:PHE:HE2	15	0.28
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	20	0.28
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	20	0.28
(1,861)	1:B:137:PHE:H	1:B:140:TYR:H	8	0.28
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	17	0.28
(1,849)	1:B:135:ALA:H	1:B:137:PHE:H	13	0.28
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	8	0.28
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	13	0.28
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	20	0.28
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	5	0.28
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	16	0.28
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	3	0.28
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	4	0.28
(1,75)	1:A:24:GLU:H	1:A:75:LEU:H	17	0.28
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	14	0.28
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD21	17	0.28
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD22	17	0.28
(1,673)	1:B:64:VAL:HG11	1:B:126:LEU:HD23	17	0.28
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD21	17	0.28
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD22	17	0.28
(1,673)	1:B:64:VAL:HG12	1:B:126:LEU:HD23	17	0.28
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD21	17	0.28
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD22	17	0.28
(1,673)	1:B:64:VAL:HG13	1:B:126:LEU:HD23	17	0.28
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE1	8	0.28
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE2	8	0.28
(1,620)	1:B:56:TYR:HE1	1:B:94:MET:HE3	8	0.28
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE1	8	0.28
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE2	8	0.28
(1,620)	1:B:56:TYR:HE2	1:B:94:MET:HE3	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:B:56:TYR:H	1:B:86:ILE:H	10	0.28
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	7	0.28
(1,542)	1:B:42:LEU:H	1:B:65:THR:H	17	0.28
(1,538)	1:B:41:LYS:H	1:B:65:THR:H	14	0.28
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	19	0.28
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	9	0.28
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	6	0.28
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	17	0.28
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	17	0.28
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	17	0.28
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	17	0.28
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	17	0.28
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	17	0.28
(1,423)	1:A:137:PHE:H	1:A:140:TYR:H	12	0.28
(1,385)	1:A:118:VAL:HG11	1:A:123:PHE:HD1	16	0.28
(1,385)	1:A:118:VAL:HG11	1:A:123:PHE:HD2	16	0.28
(1,385)	1:A:118:VAL:HG12	1:A:123:PHE:HD1	16	0.28
(1,385)	1:A:118:VAL:HG12	1:A:123:PHE:HD2	16	0.28
(1,385)	1:A:118:VAL:HG13	1:A:123:PHE:HD1	16	0.28
(1,385)	1:A:118:VAL:HG13	1:A:123:PHE:HD2	16	0.28
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	13	0.28
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	16	0.28
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	8	0.28
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	8	0.28
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	16	0.28
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	16	0.28
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	16	0.28
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	16	0.28
(1,260)	1:A:69:GLY:H	1:A:70:GLU:H	2	0.28
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	13	0.28
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	13	0.28
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	13	0.28
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	13	0.28
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	13	0.28
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	13	0.28
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	13	0.28
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	13	0.28
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	13	0.28
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	3	0.28
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	6	0.28
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	9	0.28
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	16	0.28
(1,1764)	1:A:136:LEU:HD11	2:H:207:VAL:HG21	13	0.28
(1,1764)	1:A:136:LEU:HD11	2:H:207:VAL:HG22	13	0.28
(1,1764)	1:A:136:LEU:HD11	2:H:207:VAL:HG23	13	0.28
(1,1764)	1:A:136:LEU:HD12	2:H:207:VAL:HG21	13	0.28
(1,1764)	1:A:136:LEU:HD12	2:H:207:VAL:HG22	13	0.28
(1,1764)	1:A:136:LEU:HD12	2:H:207:VAL:HG23	13	0.28
(1,1764)	1:A:136:LEU:HD13	2:H:207:VAL:HG21	13	0.28
(1,1764)	1:A:136:LEU:HD13	2:H:207:VAL:HG22	13	0.28
(1,1764)	1:A:136:LEU:HD13	2:H:207:VAL:HG23	13	0.28
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	1	0.28
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE2	1	0.28
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE3	1	0.28
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE1	1	0.28
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE2	1	0.28
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE3	1	0.28
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE1	1	0.28
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE2	1	0.28
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE3	1	0.28
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	16	0.28
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	16	0.28
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	16	0.28
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	16	0.28
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	16	0.28
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	16	0.28
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	16	0.28
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	16	0.28
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	16	0.28
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	11	0.28
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	11	0.28
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	11	0.28
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	11	0.28
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	11	0.28
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	11	0.28
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	11	0.28
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	11	0.28
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	11	0.28
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD11	4	0.28
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD12	4	0.28
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD13	4	0.28
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD11	4	0.28
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD12	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD13	4	0.28
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD11	4	0.28
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD12	4	0.28
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD13	4	0.28
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	17	0.28
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	17	0.28
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	7	0.28
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	2	0.28
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	1	0.28
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	10	0.28
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	4	0.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	12	0.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	12	0.28
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	12	0.28
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	13	0.28
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	19	0.28
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	20	0.28
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	1	0.28
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	16	0.28
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	3	0.28
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	3	0.28
(1,1265)	1:C:136:LEU:HD21	1:C:137:PHE:H	14	0.28
(1,1265)	1:C:136:LEU:HD22	1:C:137:PHE:H	14	0.28
(1,1265)	1:C:136:LEU:HD23	1:C:137:PHE:H	14	0.28
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	10	0.28
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	4	0.28
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	4	0.28
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	4	0.28
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	12	0.28
(1,1161)	1:C:86:ILE:HD11	1:C:89:ILE:HD11	13	0.28
(1,1161)	1:C:86:ILE:HD11	1:C:89:ILE:HD12	13	0.28
(1,1161)	1:C:86:ILE:HD11	1:C:89:ILE:HD13	13	0.28
(1,1161)	1:C:86:ILE:HD12	1:C:89:ILE:HD11	13	0.28
(1,1161)	1:C:86:ILE:HD12	1:C:89:ILE:HD12	13	0.28
(1,1161)	1:C:86:ILE:HD12	1:C:89:ILE:HD13	13	0.28
(1,1161)	1:C:86:ILE:HD13	1:C:89:ILE:HD11	13	0.28
(1,1161)	1:C:86:ILE:HD13	1:C:89:ILE:HD12	13	0.28
(1,1161)	1:C:86:ILE:HD13	1:C:89:ILE:HD13	13	0.28
(1,1016)	1:C:49:SER:H	1:C:59:VAL:H	5	0.28
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	20	0.28
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	20	0.28
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:A:32:PHE:H	1:A:34:LYS:H	2	0.27
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	4	0.27
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	4	0.27
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	4	0.27
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	4	0.27
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	4	0.27
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	4	0.27
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	4	0.27
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	4	0.27
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	4	0.27
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	3	0.27
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	1	0.27
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD11	2	0.27
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD12	2	0.27
(1,840)	1:B:131:VAL:HG21	1:B:136:LEU:HD13	2	0.27
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD11	2	0.27
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD12	2	0.27
(1,840)	1:B:131:VAL:HG22	1:B:136:LEU:HD13	2	0.27
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD11	2	0.27
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD12	2	0.27
(1,840)	1:B:131:VAL:HG23	1:B:136:LEU:HD13	2	0.27
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE1	19	0.27
(1,839)	1:B:131:VAL:HG21	1:B:133:PHE:HE2	19	0.27
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE1	19	0.27
(1,839)	1:B:131:VAL:HG22	1:B:133:PHE:HE2	19	0.27
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE1	19	0.27
(1,839)	1:B:131:VAL:HG23	1:B:133:PHE:HE2	19	0.27
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	8	0.27
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	13	0.27
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	15	0.27
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	20	0.27
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	10	0.27
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	16	0.27
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	17	0.27
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	17	0.27
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	17	0.27
(1,706)	1:B:73:ALA:H	1:B:74:PHE:H	2	0.27
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	13	0.27
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	20	0.27
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	20	0.27
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	2	0.27
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	7	0.27
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	10	0.27
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	19	0.27
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	9	0.27
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	9	0.27
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	9	0.27
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	7	0.27
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	14	0.27
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	13	0.27
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	13	0.27
(1,424)	1:A:137:PHE:HD1	1:A:138:MET:H	11	0.27
(1,424)	1:A:137:PHE:HD2	1:A:138:MET:H	11	0.27
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	4	0.27
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	8	0.27
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	12	0.27
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	5	0.27
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	6	0.27
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	19	0.27
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	10	0.27
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	12	0.27
(1,317)	1:A:92:THR:H	1:A:94:MET:H	14	0.27
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	17	0.27
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	4	0.27
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	4	0.27
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	9	0.27
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	13	0.27
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	12	0.27
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	18	0.27
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE1	19	0.27
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE2	19	0.27
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE3	19	0.27
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE1	19	0.27
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE2	19	0.27
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE3	19	0.27
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE1	19	0.27
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE2	19	0.27
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE3	19	0.27
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	6	0.27
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	6	0.27
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	6	0.27
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	6	0.27
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	6	0.27
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	6	0.27
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	6	0.27
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	6	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	8	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	8	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	8	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	8	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	8	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	8	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	8	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	8	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	8	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	20	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	20	0.27
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	20	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	20	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	20	0.27
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	20	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	20	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	20	0.27
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	20	0.27
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD11	10	0.27
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD12	10	0.27
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD13	10	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD11	10	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD12	10	0.27
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD13	10	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD11	10	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD12	10	0.27
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD13	10	0.27
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	4	0.27
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	4	0.27
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	4	0.27
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	4	0.27
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	4	0.27
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	4	0.27
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	4	0.27
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	4	0.27
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	4	0.27
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	4	0.27
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:D:133:PHE:H	1:D:135:ALA:H	6	0.27
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	20	0.27
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	5	0.27
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	11	0.27
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	7	0.27
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	12	0.27
(1,1497)	1:D:68:LEU:H	1:D:71:GLU:H	15	0.27
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	11	0.27
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	8	0.27
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD1	20	0.27
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD2	20	0.27
(1,1393)	1:D:45:ASP:H	1:D:61:ARG:H	1	0.27
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	2	0.27
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	4	0.27
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	19	0.27
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	7	0.27
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	18	0.27
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	3	0.27
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	2	0.27
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	6	0.27
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	8	0.27
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	10	0.27
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	16	0.27
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	16	0.27
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	19	0.27
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	19	0.27
(1,1280)	1:D:10:THR:H	1:D:87:ALA:H	5	0.27
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	14	0.27
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	11	0.27
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	19	0.27
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	13	0.27
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	9	0.27
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	11	0.27
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	13	0.27
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	17	0.27
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	20	0.27
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	20	0.27
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	20	0.27
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	19	0.26
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	17	0.26
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	2	0.26
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	10	0.26
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	10	0.26
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	16	0.26
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD1	4	0.26
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD2	4	0.26
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD1	4	0.26
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD2	4	0.26
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD1	4	0.26
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD2	4	0.26
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	5	0.26
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE1	19	0.26
(1,838)	1:B:131:VAL:HG11	1:B:133:PHE:HE2	19	0.26
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE1	19	0.26
(1,838)	1:B:131:VAL:HG12	1:B:133:PHE:HE2	19	0.26
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE1	19	0.26
(1,838)	1:B:131:VAL:HG13	1:B:133:PHE:HE2	19	0.26
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	18	0.26
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	16	0.26
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	2	0.26
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	20	0.26
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	20	0.26
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	10	0.26
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	9	0.26
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	18	0.26
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	8	0.26
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	8	0.26
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD21	8	0.26
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD22	8	0.26
(1,565)	1:B:44:LEU:HD11	1:B:60:LEU:HD23	8	0.26
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD21	8	0.26
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD22	8	0.26
(1,565)	1:B:44:LEU:HD12	1:B:60:LEU:HD23	8	0.26
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD21	8	0.26
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD22	8	0.26
(1,565)	1:B:44:LEU:HD13	1:B:60:LEU:HD23	8	0.26
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	5	0.26
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	6	0.26
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	20	0.26
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	16	0.26
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	17	0.26
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	6	0.26
(1,357)	1:A:109:TYR:HE1	1:C:131:VAL:H	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:A:109:TYR:HE2	1:C:131:VAL:H	14	0.26
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	4	0.26
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	6	0.26
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	14	0.26
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	8	0.26
(1,317)	1:A:92:THR:H	1:A:94:MET:H	11	0.26
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	3	0.26
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	5	0.26
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	1	0.26
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	13	0.26
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	18	0.26
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	17	0.26
(1,256)	1:A:68:LEU:H	1:A:73:ALA:H	8	0.26
(1,254)	1:A:68:LEU:H	1:A:71:GLU:H	2	0.26
(1,239)	1:A:66:ALA:H	1:A:73:ALA:H	3	0.26
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	3	0.26
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	17	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD11	3	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD12	3	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD13	3	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD21	3	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD22	3	0.26
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD23	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD11	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD12	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD13	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD21	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD22	3	0.26
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD23	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD11	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD12	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD13	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD21	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD22	3	0.26
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD23	3	0.26
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	9	0.26
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	9	0.26
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	9	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	9	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	9	0.26
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	9	0.26
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	9	0.26
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	9	0.26
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	6	0.26
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	11	0.26
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	19	0.26
(1,1610)	1:D:112:GLU:H	1:D:113:CYS:H	2	0.26
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	5	0.26
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	3	0.26
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	15	0.26
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD21	18	0.26
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD22	18	0.26
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD23	18	0.26
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	11	0.26
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	3	0.26
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	13	0.26
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	2	0.26
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	9	0.26
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	7	0.26
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	17	0.26
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	17	0.26
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	17	0.26
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	17	0.26
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	17	0.26
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	17	0.26
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	12	0.26
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	6	0.26
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	6	0.26
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	11	0.26
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	17	0.26
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	17	0.26
(1,120)	1:A:39:GLU:H	1:A:69:GLY:H	7	0.26
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	14	0.26
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	14	0.26
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	11	0.26
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	3	0.26
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	3	0.26
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	3	0.26
(1,1160)	1:C:86:ILE:HD11	1:C:88:GLY:H	4	0.26
(1,1160)	1:C:86:ILE:HD12	1:C:88:GLY:H	4	0.26
(1,1160)	1:C:86:ILE:HD13	1:C:88:GLY:H	4	0.26
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	9	0.26
(1,1070)	1:C:60:LEU:HD21	1:C:62:VAL:H	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:C:60:LEU:HD22	1:C:62:VAL:H	4	0.26
(1,1070)	1:C:60:LEU:HD23	1:C:62:VAL:H	4	0.26
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	16	0.26
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	16	0.26
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	16	0.26
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	16	0.26
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	16	0.26
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	16	0.26
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	16	0.26
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	16	0.26
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	16	0.26
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	12	0.26
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	19	0.26
(1,877)	1:C:11:PHE:HD1	1:C:12:GLN:H	16	0.25
(1,877)	1:C:11:PHE:HD2	1:C:12:GLN:H	16	0.25
(1,835)	1:B:128:LEU:HD21	1:B:129:ALA:H	10	0.25
(1,835)	1:B:128:LEU:HD22	1:B:129:ALA:H	10	0.25
(1,835)	1:B:128:LEU:HD23	1:B:129:ALA:H	10	0.25
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	14	0.25
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	2	0.25
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	17	0.25
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	13	0.25
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	19	0.25
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	11	0.25
(1,758)	1:B:92:THR:H	1:B:94:MET:H	4	0.25
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	20	0.25
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	20	0.25
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	20	0.25
(1,75)	1:A:24:GLU:H	1:A:75:LEU:H	13	0.25
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	18	0.25
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	18	0.25
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	18	0.25
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	18	0.25
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE1	18	0.25
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE2	18	0.25
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE1	18	0.25
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE2	18	0.25
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	18	0.25
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	5	0.25
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	5	0.25
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	10	0.25
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	8	0.25
(1,641)	1:B:60:LEU:H	1:B:80:GLN:H	14	0.25
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	20	0.25
(1,597)	1:B:51:LEU:H	1:B:57:GLU:H	14	0.25
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	16	0.25
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	20	0.25
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	18	0.25
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	15	0.25
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	15	0.25
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	15	0.25
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	8	0.25
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	8	0.25
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	8	0.25
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	19	0.25
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	13	0.25
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	8	0.25
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	19	0.25
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	19	0.25
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	9	0.25
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	13	0.25
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	15	0.25
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	9	0.25
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	1	0.25
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	4	0.25
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	12	0.25
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	8	0.25
(1,261)	1:A:69:GLY:H	1:A:71:GLU:H	18	0.25
(1,256)	1:A:68:LEU:H	1:A:73:ALA:H	7	0.25
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	2	0.25
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	5	0.25
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	12	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	13	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	13	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	13	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	13	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	13	0.25
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	13	0.25
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	13	0.25
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	13	0.25
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	13	0.25
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	13	0.25
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	13	0.25
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	13	0.25
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	15	0.25
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	15	0.25
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	15	0.25
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	15	0.25
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	15	0.25
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	15	0.25
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	15	0.25
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	15	0.25
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	15	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD11	2	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD12	2	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD13	2	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD21	2	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD22	2	0.25
(1,1724)	1:A:94:MET:HE1	2:G:173:LEU:HD23	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD11	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD12	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD13	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD21	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD22	2	0.25
(1,1724)	1:A:94:MET:HE2	2:G:173:LEU:HD23	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD11	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD12	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD13	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD21	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD22	2	0.25
(1,1724)	1:A:94:MET:HE3	2:G:173:LEU:HD23	2	0.25
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	18	0.25
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	18	0.25
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	18	0.25
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	18	0.25
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	18	0.25
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	18	0.25
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	18	0.25
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	18	0.25
(1,1712)	1:B:98:LEU:HD21	2:F:177:LEU:HD11	20	0.25
(1,1712)	1:B:98:LEU:HD21	2:F:177:LEU:HD12	20	0.25
(1,1712)	1:B:98:LEU:HD21	2:F:177:LEU:HD13	20	0.25
(1,1712)	1:B:98:LEU:HD22	2:F:177:LEU:HD11	20	0.25
(1,1712)	1:B:98:LEU:HD22	2:F:177:LEU:HD12	20	0.25
(1,1712)	1:B:98:LEU:HD22	2:F:177:LEU:HD13	20	0.25
(1,1712)	1:B:98:LEU:HD23	2:F:177:LEU:HD11	20	0.25
(1,1712)	1:B:98:LEU:HD23	2:F:177:LEU:HD12	20	0.25
(1,1712)	1:B:98:LEU:HD23	2:F:177:LEU:HD13	20	0.25
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	12	0.25
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	12	0.25
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	12	0.25
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	12	0.25
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	12	0.25
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	12	0.25
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	12	0.25
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	12	0.25
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	12	0.25
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	8	0.25
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	8	0.25
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	8	0.25
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	8	0.25
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	8	0.25
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	8	0.25
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	8	0.25
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	8	0.25
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	8	0.25
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	10	0.25
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	1	0.25
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	12	0.25
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	18	0.25
(1,161)	1:A:49:SER:H	1:A:57:GLU:H	11	0.25
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	9	0.25
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	15	0.25
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	15	0.25
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	15	0.25
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	15	0.25
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	15	0.25
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	15	0.25
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	15	0.25
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	15	0.25
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	20	0.25
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	20	0.25
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	20	0.25
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	17	0.25
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	20	0.25
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	1	0.25
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	6	0.25
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	16	0.25
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	14	0.25
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	3	0.25
(1,1367)	1:D:40:VAL:HG11	1:D:41:LYS:H	3	0.25
(1,1367)	1:D:40:VAL:HG12	1:D:41:LYS:H	3	0.25
(1,1367)	1:D:40:VAL:HG13	1:D:41:LYS:H	3	0.25
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	10	0.25
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	5	0.25
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	9	0.25
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	14	0.25
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	18	0.25
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	9	0.25
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	6	0.25
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	6	0.25
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	17	0.25
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	17	0.25
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	12	0.25
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	12	0.25
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	17	0.25
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	17	0.25
(1,1260)	1:C:135:ALA:H	1:C:138:MET:H	10	0.25
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	10	0.25
(1,1211)	1:C:112:GLU:H	1:C:113:CYS:H	20	0.25
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	7	0.25
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	2	0.25
(1,1173)	1:C:90:GLU:H	1:C:94:MET:H	2	0.25
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	16	0.25
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	1	0.25
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	7	0.25
(1,1069)	1:C:60:LEU:HD21	1:C:61:ARG:H	2	0.25
(1,1069)	1:C:60:LEU:HD22	1:C:61:ARG:H	2	0.25
(1,1069)	1:C:60:LEU:HD23	1:C:61:ARG:H	2	0.25
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	8	0.25
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	8	0.25
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	8	0.25
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	8	0.25
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	8	0.25
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	8	0.25
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	8	0.25
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	8	0.25
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	1	0.25
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	3	0.25
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	14	0.25
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	12	0.25
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	12	0.25
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	12	0.25
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	12	0.24
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	12	0.24
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	12	0.24
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	9	0.24
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	15	0.24
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	10	0.24
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	10	0.24
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	10	0.24
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	10	0.24
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	10	0.24
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	10	0.24
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	10	0.24
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	10	0.24
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	10	0.24
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	14	0.24
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	7	0.24
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	11	0.24
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	19	0.24
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	4	0.24
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	7	0.24
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	11	0.24
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	7	0.24
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	8	0.24
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	15	0.24
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	2	0.24
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	10	0.24
(1,758)	1:B:92:THR:H	1:B:94:MET:H	19	0.24
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	1	0.24
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	8	0.24
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	8	0.24
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	8	0.24
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	20	0.24
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	20	0.24
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD21	18	0.24
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD22	18	0.24
(1,619)	1:B:56:TYR:HD1	1:B:98:LEU:HD23	18	0.24
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD21	18	0.24
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD22	18	0.24
(1,619)	1:B:56:TYR:HD2	1:B:98:LEU:HD23	18	0.24
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	11	0.24
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD1	4	0.24
(1,596)	1:B:51:LEU:H	1:B:56:TYR:HD2	4	0.24
(1,593)	1:B:51:LEU:H	1:B:55:VAL:H	3	0.24
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	9	0.24
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	18	0.24
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	17	0.24
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	11	0.24
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD11	6	0.24
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD12	6	0.24
(1,567)	1:B:44:LEU:HD11	1:B:128:LEU:HD13	6	0.24
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD11	6	0.24
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD12	6	0.24
(1,567)	1:B:44:LEU:HD12	1:B:128:LEU:HD13	6	0.24
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD11	6	0.24
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD12	6	0.24
(1,567)	1:B:44:LEU:HD13	1:B:128:LEU:HD13	6	0.24
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	1	0.24
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	1	0.24
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	1	0.24
(1,518)	1:B:32:PHE:HD1	1:B:33:GLN:H	1	0.24
(1,518)	1:B:32:PHE:HD2	1:B:33:GLN:H	1	0.24
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	20	0.24
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	20	0.24
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	2	0.24
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	15	0.24
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	7	0.24
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	18	0.24
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	5	0.24
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	5	0.24
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	20	0.24
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	19	0.24
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	3	0.24
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	16	0.24
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	19	0.24
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	14	0.24
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	14	0.24
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	14	0.24
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	14	0.24
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	14	0.24
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	14	0.24
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	14	0.24
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	14	0.24
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	14	0.24
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	8	0.24
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	20	0.24
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	19	0.24
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	19	0.24
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	19	0.24
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	19	0.24
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	19	0.24
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	19	0.24
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	19	0.24
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	19	0.24
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	19	0.24
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	17	0.24
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE2	17	0.24
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE3	17	0.24
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE1	17	0.24
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE2	17	0.24
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE3	17	0.24
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE1	17	0.24
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE2	17	0.24
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE3	17	0.24
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	4	0.24
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	4	0.24
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	4	0.24
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	4	0.24
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	4	0.24
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	4	0.24
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	4	0.24
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	4	0.24
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE1	1	0.24
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE2	1	0.24
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE3	1	0.24
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE1	1	0.24
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE2	1	0.24
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE3	1	0.24
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE1	1	0.24
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE2	1	0.24
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE3	1	0.24
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	17	0.24
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	17	0.24
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	17	0.24
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	17	0.24
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	17	0.24
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	17	0.24
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	17	0.24
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	17	0.24
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	17	0.24
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG11	13	0.24
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG12	13	0.24
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG13	13	0.24
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG11	13	0.24
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG12	13	0.24
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG13	13	0.24
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG11	13	0.24
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG12	13	0.24
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG13	13	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD11	18	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD12	18	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD13	18	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD21	18	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD22	18	0.24
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD23	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD11	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD12	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD13	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD21	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD22	18	0.24
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD23	18	0.24
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD11	18	0.24
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD12	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD13	18	0.24
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD21	18	0.24
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD22	18	0.24
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD23	18	0.24
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	13	0.24
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	10	0.24
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	20	0.24
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	20	0.24
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	4	0.24
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	12	0.24
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	20	0.24
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	4	0.24
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	10	0.24
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	3	0.24
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	3	0.24
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	3	0.24
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	6	0.24
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	16	0.24
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	13	0.24
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	16	0.24
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	20	0.24
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE1	12	0.24
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE2	12	0.24
(1,1548)	1:D:86:ILE:HD11	1:D:94:MET:HE3	12	0.24
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE1	12	0.24
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE2	12	0.24
(1,1548)	1:D:86:ILE:HD12	1:D:94:MET:HE3	12	0.24
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE1	12	0.24
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE2	12	0.24
(1,1548)	1:D:86:ILE:HD13	1:D:94:MET:HE3	12	0.24
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	2	0.24
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	12	0.24
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	16	0.24
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	12	0.24
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	4	0.24
(1,1359)	1:D:35:ASP:H	1:D:36:TRP:HE1	17	0.24
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	6	0.24
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	6	0.24
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	6	0.24
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	6	0.24
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	6	0.24
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	6	0.24
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	6	0.24
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	6	0.24
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	5	0.24
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	20	0.24
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG11	19	0.24
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG12	19	0.24
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG13	19	0.24
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	4	0.24
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	17	0.24
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	4	0.24
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	10	0.24
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	10	0.24
(1,126)	1:A:40:VAL:HG11	1:A:126:LEU:HD21	12	0.24
(1,126)	1:A:40:VAL:HG11	1:A:126:LEU:HD22	12	0.24
(1,126)	1:A:40:VAL:HG11	1:A:126:LEU:HD23	12	0.24
(1,126)	1:A:40:VAL:HG12	1:A:126:LEU:HD21	12	0.24
(1,126)	1:A:40:VAL:HG12	1:A:126:LEU:HD22	12	0.24
(1,126)	1:A:40:VAL:HG12	1:A:126:LEU:HD23	12	0.24
(1,126)	1:A:40:VAL:HG13	1:A:126:LEU:HD21	12	0.24
(1,126)	1:A:40:VAL:HG13	1:A:126:LEU:HD22	12	0.24
(1,126)	1:A:40:VAL:HG13	1:A:126:LEU:HD23	12	0.24
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	7	0.24
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	7	0.24
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	19	0.24
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	4	0.24
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	12	0.24
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	1	0.24
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	1	0.24
(1,1193)	1:C:99:GLY:H	1:C:100:ALA:H	9	0.24
(1,1168)	1:C:89:ILE:HD11	1:C:90:GLU:H	9	0.24
(1,1168)	1:C:89:ILE:HD12	1:C:90:GLU:H	9	0.24
(1,1168)	1:C:89:ILE:HD13	1:C:90:GLU:H	9	0.24
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	18	0.24
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD11	5	0.24
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD12	5	0.24
(1,1088)	1:C:64:VAL:HG11	1:C:126:LEU:HD13	5	0.24
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD11	5	0.24
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD12	5	0.24
(1,1088)	1:C:64:VAL:HG12	1:C:126:LEU:HD13	5	0.24
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD11	5	0.24
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD12	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:C:64:VAL:HG13	1:C:126:LEU:HD13	5	0.24
(1,1029)	1:C:52:ALA:H	1:C:55:VAL:HG21	12	0.24
(1,1029)	1:C:52:ALA:H	1:C:55:VAL:HG22	12	0.24
(1,1029)	1:C:52:ALA:H	1:C:55:VAL:HG23	12	0.24
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	16	0.23
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	12	0.23
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	12	0.23
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	12	0.23
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	14	0.23
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	16	0.23
(1,952)	1:C:31:VAL:H	1:C:33:GLN:H	4	0.23
(1,916)	1:C:20:ASP:H	1:C:79:GLN:H	13	0.23
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	9	0.23
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	19	0.23
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	19	0.23
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	17	0.23
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	15	0.23
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	13	0.23
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	12	0.23
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	16	0.23
(1,836)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	1	0.23
(1,836)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	1	0.23
(1,836)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	1	0.23
(1,836)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	1	0.23
(1,836)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	1	0.23
(1,836)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	1	0.23
(1,836)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	1	0.23
(1,836)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	1	0.23
(1,836)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	1	0.23
(1,814)	1:B:116:SER:H	1:B:117:MET:H	18	0.23
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	5	0.23
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	12	0.23
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	1	0.23
(1,784)	1:B:99:GLY:H	1:B:101:TYR:H	4	0.23
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	9	0.23
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	5	0.23
(1,752)	1:B:89:ILE:HD11	1:B:94:MET:H	4	0.23
(1,752)	1:B:89:ILE:HD12	1:B:94:MET:H	4	0.23
(1,752)	1:B:89:ILE:HD13	1:B:94:MET:H	4	0.23
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	4	0.23
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	4	0.23
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	11	0.23
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	8	0.23
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	8	0.23
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	13	0.23
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	5	0.23
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	8	0.23
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	20	0.23
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	3	0.23
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	14	0.23
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	5	0.23
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	6	0.23
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	7	0.23
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD11	9	0.23
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD12	9	0.23
(1,429)	1:A:138:MET:H	1:A:141:LEU:HD13	9	0.23
(1,409)	1:A:133:PHE:H	1:A:135:ALA:H	6	0.23
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	13	0.23
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	12	0.23
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	12	0.23
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	12	0.23
(1,331)	1:A:96:HIS:H	1:A:97:CYS:H	1	0.23
(1,317)	1:A:92:THR:H	1:A:94:MET:H	5	0.23
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	16	0.23
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	15	0.23
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	3	0.23
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	11	0.23
(1,239)	1:A:66:ALA:H	1:A:73:ALA:H	9	0.23
(1,195)	1:A:58:VAL:H	1:A:84:PHE:H	7	0.23
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	20	0.23
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	18	0.23
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	18	0.23
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	18	0.23
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	18	0.23
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	18	0.23
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	18	0.23
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	18	0.23
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	18	0.23
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	18	0.23
(1,1742)	1:D:136:LEU:HD11	2:G:207:VAL:HG21	18	0.23
(1,1742)	1:D:136:LEU:HD11	2:G:207:VAL:HG22	18	0.23
(1,1742)	1:D:136:LEU:HD11	2:G:207:VAL:HG23	18	0.23
(1,1742)	1:D:136:LEU:HD12	2:G:207:VAL:HG21	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:D:136:LEU:HD12	2:G:207:VAL:HG22	18	0.23
(1,1742)	1:D:136:LEU:HD12	2:G:207:VAL:HG23	18	0.23
(1,1742)	1:D:136:LEU:HD13	2:G:207:VAL:HG21	18	0.23
(1,1742)	1:D:136:LEU:HD13	2:G:207:VAL:HG22	18	0.23
(1,1742)	1:D:136:LEU:HD13	2:G:207:VAL:HG23	18	0.23
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	18	0.23
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	18	0.23
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	18	0.23
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	18	0.23
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	18	0.23
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	18	0.23
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	18	0.23
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	18	0.23
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	18	0.23
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	15	0.23
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	15	0.23
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	15	0.23
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	15	0.23
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	15	0.23
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	15	0.23
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	15	0.23
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	15	0.23
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	15	0.23
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	7	0.23
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	7	0.23
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	7	0.23
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	7	0.23
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	7	0.23
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	7	0.23
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	7	0.23
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	7	0.23
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	7	0.23
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB1	20	0.23
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB2	20	0.23
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB3	20	0.23
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	20	0.23
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	20	0.23
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	20	0.23
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	20	0.23
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	20	0.23
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	20	0.23
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	6	0.23
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	6	0.23
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	6	0.23
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	6	0.23
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	6	0.23
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	6	0.23
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	6	0.23
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	6	0.23
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD11	9	0.23
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD12	9	0.23
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD13	9	0.23
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD11	9	0.23
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD12	9	0.23
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD13	9	0.23
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD11	9	0.23
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD12	9	0.23
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD13	9	0.23
(1,1673)	1:D:140:TYR:HD1	1:D:141:LEU:H	1	0.23
(1,1673)	1:D:140:TYR:HD2	1:D:141:LEU:H	1	0.23
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	7	0.23
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	13	0.23
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	1	0.23
(1,1652)	1:D:134:ASP:H	1:D:137:PHE:H	11	0.23
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	13	0.23
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	3	0.23
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	17	0.23
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	13	0.23
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	14	0.23
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB1	14	0.23
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB2	14	0.23
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB3	14	0.23
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB1	14	0.23
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB2	14	0.23
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB3	14	0.23
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB1	14	0.23
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB2	14	0.23
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB3	14	0.23
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	12	0.23
(1,1439)	1:D:58:VAL:H	1:D:82:GLY:H	20	0.23
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	5	0.23
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	5	0.23
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	18	0.23
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	20	0.23
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	17	0.23
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	9	0.23
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	2	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD11	10	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD12	10	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD13	10	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD11	10	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD12	10	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD13	10	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD11	10	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD12	10	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD13	10	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD11	18	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD12	18	0.23
(1,1381)	1:D:42:LEU:HD21	1:D:128:LEU:HD13	18	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD11	18	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD12	18	0.23
(1,1381)	1:D:42:LEU:HD22	1:D:128:LEU:HD13	18	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD11	18	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD12	18	0.23
(1,1381)	1:D:42:LEU:HD23	1:D:128:LEU:HD13	18	0.23
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	3	0.23
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	18	0.23
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	1	0.23
(1,1309)	1:D:17:TYR:HD1	1:D:81:GLY:H	16	0.23
(1,1309)	1:D:17:TYR:HD2	1:D:81:GLY:H	16	0.23
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	5	0.23
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	12	0.23
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	14	0.23
(1,1290)	1:D:11:PHE:HE1	1:D:102:CYS:H	9	0.23
(1,1290)	1:D:11:PHE:HE2	1:D:102:CYS:H	9	0.23
(1,1287)	1:D:11:PHE:HE1	1:D:85:SER:H	5	0.23
(1,1287)	1:D:11:PHE:HE2	1:D:85:SER:H	5	0.23
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	15	0.23
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	15	0.23
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	1	0.23
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	10	0.23
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	9	0.23
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	14	0.23
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	17	0.23
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	17	0.23
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	17	0.23
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	6	0.23
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	15	0.23
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	15	0.23
(1,1173)	1:C:90:GLU:H	1:C:94:MET:H	3	0.23
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	3	0.23
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	6	0.23
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	7	0.23
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	15	0.23
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	9	0.23
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD1	19	0.23
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD2	19	0.23
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	13	0.22
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	20	0.22
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	20	0.22
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	20	0.22
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	20	0.22
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	20	0.22
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	20	0.22
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	17	0.22
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	6	0.22
(1,868)	1:B:139:ASN:H	1:B:141:LEU:H	14	0.22
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	10	0.22
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	15	0.22
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	8	0.22
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD1	3	0.22
(1,837)	1:B:131:VAL:HG11	1:B:133:PHE:HD2	3	0.22
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD1	3	0.22
(1,837)	1:B:131:VAL:HG12	1:B:133:PHE:HD2	3	0.22
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD1	3	0.22
(1,837)	1:B:131:VAL:HG13	1:B:133:PHE:HD2	3	0.22
(1,80)	1:A:28:ALA:H	1:A:31:VAL:H	16	0.22
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	11	0.22
(1,789)	1:B:100:ALA:HB1	1:B:133:PHE:HD1	20	0.22
(1,789)	1:B:100:ALA:HB1	1:B:133:PHE:HD2	20	0.22
(1,789)	1:B:100:ALA:HB2	1:B:133:PHE:HD1	20	0.22
(1,789)	1:B:100:ALA:HB2	1:B:133:PHE:HD2	20	0.22
(1,789)	1:B:100:ALA:HB3	1:B:133:PHE:HD1	20	0.22
(1,789)	1:B:100:ALA:HB3	1:B:133:PHE:HD2	20	0.22
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:B:92:THR:H	1:B:94:MET:H	8	0.22
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	6	0.22
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	6	0.22
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	6	0.22
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	6	0.22
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE1	6	0.22
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE2	6	0.22
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE1	6	0.22
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE2	6	0.22
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	15	0.22
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	15	0.22
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	17	0.22
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	19	0.22
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	17	0.22
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	6	0.22
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	7	0.22
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	8	0.22
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	14	0.22
(1,591)	1:B:50:GLN:H	1:B:57:GLU:H	1	0.22
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	2	0.22
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	17	0.22
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	4	0.22
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	4	0.22
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	4	0.22
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	4	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	3	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	3	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	3	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	6	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	6	0.22
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	6	0.22
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	4	0.22
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	13	0.22
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	14	0.22
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	15	0.22
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	8	0.22
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	11	0.22
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	13	0.22
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	13	0.22
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	1	0.22
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	20	0.22
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:A:133:PHE:H	1:A:136:LEU:H	18	0.22
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	5	0.22
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	20	0.22
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	10	0.22
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	7	0.22
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	7	0.22
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	7	0.22
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	2	0.22
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD21	12	0.22
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD22	12	0.22
(1,329)	1:A:95:ALA:H	1:A:98:LEU:HD23	12	0.22
(1,317)	1:A:92:THR:H	1:A:94:MET:H	19	0.22
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	15	0.22
(1,261)	1:A:69:GLY:H	1:A:71:GLU:H	5	0.22
(1,261)	1:A:69:GLY:H	1:A:71:GLU:H	13	0.22
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	2	0.22
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	7	0.22
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	8	0.22
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	11	0.22
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	15	0.22
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	16	0.22
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	16	0.22
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	16	0.22
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	16	0.22
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	16	0.22
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	16	0.22
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	16	0.22
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	16	0.22
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	16	0.22
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD11	8	0.22
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD12	8	0.22
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD13	8	0.22
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD11	8	0.22
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD12	8	0.22
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD13	8	0.22
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD11	8	0.22
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD12	8	0.22
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD13	8	0.22
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB1	9	0.22
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB2	9	0.22
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB3	9	0.22
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	9	0.22
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	9	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	9	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	9	0.22
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	9	0.22
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	12	0.22
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	12	0.22
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	12	0.22
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	12	0.22
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	12	0.22
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	12	0.22
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	12	0.22
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	12	0.22
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	12	0.22
(1,1663)	1:D:137:PHE:H	1:D:140:TYR:H	5	0.22
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	8	0.22
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	15	0.22
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	18	0.22
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	10	0.22
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	10	0.22
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	10	0.22
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	4	0.22
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	19	0.22
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	4	0.22
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	14	0.22
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	9	0.22
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	7	0.22
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	15	0.22
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD21	19	0.22
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD22	19	0.22
(1,1369)	1:D:40:VAL:HG11	1:D:42:LEU:HD23	19	0.22
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD21	19	0.22
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD22	19	0.22
(1,1369)	1:D:40:VAL:HG12	1:D:42:LEU:HD23	19	0.22
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD21	19	0.22
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD22	19	0.22
(1,1369)	1:D:40:VAL:HG13	1:D:42:LEU:HD23	19	0.22
(1,1355)	1:D:32:PHE:HD1	1:D:33:GLN:H	8	0.22
(1,1355)	1:D:32:PHE:HD2	1:D:33:GLN:H	8	0.22
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	17	0.22
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	5	0.22
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	17	0.22
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	17	0.22
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	17	0.22
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	17	0.22
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	17	0.22
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	17	0.22
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	14	0.22
(1,1284)	1:D:11:PHE:HD1	1:D:85:SER:H	1	0.22
(1,1284)	1:D:11:PHE:HD2	1:D:85:SER:H	1	0.22
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	11	0.22
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	11	0.22
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	9	0.22
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	3	0.22
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	3	0.22
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	5	0.22
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	20	0.22
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE1	20	0.22
(1,1124)	1:C:73:ALA:HB1	1:C:123:PHE:HE2	20	0.22
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE1	20	0.22
(1,1124)	1:C:73:ALA:HB2	1:C:123:PHE:HE2	20	0.22
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE1	20	0.22
(1,1124)	1:C:73:ALA:HB3	1:C:123:PHE:HE2	20	0.22
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	10	0.22
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	19	0.22
(1,1066)	1:C:60:LEU:H	1:C:80:GLN:H	4	0.22
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	11	0.22
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	13	0.22
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	3	0.22
(1,1016)	1:C:49:SER:H	1:C:59:VAL:H	18	0.22
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	5	0.21
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	5	0.21
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	10	0.21
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	1	0.21
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	12	0.21
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	10	0.21
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	17	0.21
(1,861)	1:B:137:PHE:H	1:B:140:TYR:H	6	0.21
(1,856)	1:B:136:LEU:HD21	1:B:137:PHE:H	3	0.21
(1,856)	1:B:136:LEU:HD22	1:B:137:PHE:H	3	0.21
(1,856)	1:B:136:LEU:HD23	1:B:137:PHE:H	3	0.21
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	1	0.21
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	3	0.21
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	15	0.21
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	20	0.21
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	12	0.21
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	2	0.21
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	7	0.21
(1,764)	1:B:94:MET:H	1:B:97:CYS:H	18	0.21
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD11	16	0.21
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD12	16	0.21
(1,745)	1:B:86:ILE:HD11	1:B:98:LEU:HD13	16	0.21
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD11	16	0.21
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD12	16	0.21
(1,745)	1:B:86:ILE:HD12	1:B:98:LEU:HD13	16	0.21
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD11	16	0.21
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD12	16	0.21
(1,745)	1:B:86:ILE:HD13	1:B:98:LEU:HD13	16	0.21
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	7	0.21
(1,643)	1:B:60:LEU:H	1:B:82:GLY:H	14	0.21
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	3	0.21
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	3	0.21
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	3	0.21
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	3	0.21
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	3	0.21
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	3	0.21
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	3	0.21
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	3	0.21
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	3	0.21
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	3	0.21
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	20	0.21
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	20	0.21
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	20	0.21
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	8	0.21
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	1	0.21
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	11	0.21
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	7	0.21
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	16	0.21
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	11	0.21
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	11	0.21
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	19	0.21
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	20	0.21
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	20	0.21
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	20	0.21
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	20	0.21
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	20	0.21
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	16	0.21
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	11	0.21
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	5	0.21
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	5	0.21
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	10	0.21
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	19	0.21
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	7	0.21
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	10	0.21
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	15	0.21
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	2	0.21
(1,262)	1:A:70:GLU:H	1:A:71:GLU:H	1	0.21
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	7	0.21
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	9	0.21
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	17	0.21
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	17	0.21
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	17	0.21
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	17	0.21
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	17	0.21
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	17	0.21
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	17	0.21
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	17	0.21
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	17	0.21
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	14	0.21
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	8	0.21
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	8	0.21
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	8	0.21
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	8	0.21
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	8	0.21
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	8	0.21
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	8	0.21
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	8	0.21
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	8	0.21
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	20	0.21
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	20	0.21
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	20	0.21
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	20	0.21
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	20	0.21
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	20	0.21
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	20	0.21
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	20	0.21
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	20	0.21
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	20	0.21
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	20	0.21
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	20	0.21
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	20	0.21
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	20	0.21
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	20	0.21
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	20	0.21
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	20	0.21
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	3	0.21
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	3	0.21
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	3	0.21
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	3	0.21
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	3	0.21
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	3	0.21
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	3	0.21
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	3	0.21
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	3	0.21
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG21	1	0.21
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG22	1	0.21
(1,1719)	1:C:136:LEU:HD11	2:F:207:VAL:HG23	1	0.21
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG21	1	0.21
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG22	1	0.21
(1,1719)	1:C:136:LEU:HD12	2:F:207:VAL:HG23	1	0.21
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG21	1	0.21
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG22	1	0.21
(1,1719)	1:C:136:LEU:HD13	2:F:207:VAL:HG23	1	0.21
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	7	0.21
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	7	0.21
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	7	0.21
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	7	0.21
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	7	0.21
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	7	0.21
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	7	0.21
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	7	0.21
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	7	0.21
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD21	10	0.21
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD22	10	0.21
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD23	10	0.21
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD21	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD22	10	0.21
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD23	10	0.21
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD21	10	0.21
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD22	10	0.21
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD23	10	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD11	6	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD12	6	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD13	6	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD11	6	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD12	6	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD13	6	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD11	6	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD12	6	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD13	6	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD11	15	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD12	15	0.21
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD13	15	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD11	15	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD12	15	0.21
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD13	15	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD11	15	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD12	15	0.21
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD13	15	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD11	2	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD12	2	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD13	2	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD21	2	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD22	2	0.21
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD23	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD11	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD12	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD13	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD21	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD22	2	0.21
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD23	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD11	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD12	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD13	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD21	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD22	2	0.21
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD23	2	0.21
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	15	0.21
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	15	0.21
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	15	0.21
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	15	0.21
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	15	0.21
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	15	0.21
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	15	0.21
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	15	0.21
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	6	0.21
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	11	0.21
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD21	2	0.21
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD22	2	0.21
(1,1665)	1:D:137:PHE:HD1	1:D:141:LEU:HD23	2	0.21
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD21	2	0.21
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD22	2	0.21
(1,1665)	1:D:137:PHE:HD2	1:D:141:LEU:HD23	2	0.21
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	10	0.21
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	20	0.21
(1,1571)	1:D:95:ALA:H	1:D:97:CYS:H	1	0.21
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	15	0.21
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	5	0.21
(1,1453)	1:D:60:LEU:H	1:D:82:GLY:H	8	0.21
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	10	0.21
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	2	0.21
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	2	0.21
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	2	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	2	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	2	0.21
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	2	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	2	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	2	0.21
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	2	0.21
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	5	0.21
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	11	0.21
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	18	0.21
(1,1283)	1:D:11:PHE:HD1	1:D:12:GLN:H	4	0.21
(1,1283)	1:D:11:PHE:HD2	1:D:12:GLN:H	4	0.21
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	3	0.21
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	3	0.21
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	16	0.21
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	16	0.21
(1,1190)	1:C:97:CYS:H	1:C:99:GLY:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD21	1	0.21
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD22	1	0.21
(1,1183)	1:C:94:MET:HE1	1:C:98:LEU:HD23	1	0.21
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD21	1	0.21
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD22	1	0.21
(1,1183)	1:C:94:MET:HE2	1:C:98:LEU:HD23	1	0.21
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD21	1	0.21
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD22	1	0.21
(1,1183)	1:C:94:MET:HE3	1:C:98:LEU:HD23	1	0.21
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	14	0.21
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	4	0.21
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	3	0.21
(1,1061)	1:C:59:VAL:HG11	1:C:81:GLY:H	17	0.21
(1,1061)	1:C:59:VAL:HG12	1:C:81:GLY:H	17	0.21
(1,1061)	1:C:59:VAL:HG13	1:C:81:GLY:H	17	0.21
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	16	0.21
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	18	0.21
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	18	0.21
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	18	0.21
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	18	0.21
(1,989)	1:C:42:LEU:HD11	1:C:43:ASP:H	19	0.2
(1,989)	1:C:42:LEU:HD12	1:C:43:ASP:H	19	0.2
(1,989)	1:C:42:LEU:HD13	1:C:43:ASP:H	19	0.2
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	2	0.2
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	2	0.2
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	2	0.2
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	17	0.2
(1,967)	1:C:36:TRP:H	1:C:37:GLN:H	10	0.2
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	2	0.2
(1,914)	1:C:19:LYS:H	1:C:81:GLY:H	17	0.2
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	19	0.2
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	19	0.2
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	19	0.2
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	19	0.2
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	19	0.2
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	19	0.2
(1,891)	1:C:14:GLN:H	1:C:15:ARG:H	8	0.2
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	5	0.2
(1,871)	1:C:9:MET:H	1:C:10:THR:H	3	0.2
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	18	0.2
(1,852)	1:B:135:ALA:HB1	1:D:13:ILE:H	8	0.2
(1,852)	1:B:135:ALA:HB2	1:D:13:ILE:H	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:B:135:ALA:HB3	1:D:13:ILE:H	8	0.2
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	11	0.2
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	20	0.2
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	4	0.2
(1,831)	1:B:125:GLN:H	1:C:125:GLN:H	9	0.2
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	12	0.2
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	15	0.2
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	10	0.2
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	3	0.2
(1,784)	1:B:99:GLY:H	1:B:101:TYR:H	16	0.2
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	10	0.2
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	12	0.2
(1,778)	1:B:98:LEU:H	1:B:99:GLY:H	9	0.2
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	8	0.2
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	7	0.2
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	12	0.2
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	19	0.2
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	20	0.2
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	9	0.2
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	7	0.2
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	7	0.2
(1,691)	1:B:66:ALA:HB1	1:B:74:PHE:HE1	18	0.2
(1,691)	1:B:66:ALA:HB1	1:B:74:PHE:HE2	18	0.2
(1,691)	1:B:66:ALA:HB2	1:B:74:PHE:HE1	18	0.2
(1,691)	1:B:66:ALA:HB2	1:B:74:PHE:HE2	18	0.2
(1,691)	1:B:66:ALA:HB3	1:B:74:PHE:HE1	18	0.2
(1,691)	1:B:66:ALA:HB3	1:B:74:PHE:HE2	18	0.2
(1,689)	1:B:66:ALA:HB1	1:B:74:PHE:H	18	0.2
(1,689)	1:B:66:ALA:HB2	1:B:74:PHE:H	18	0.2
(1,689)	1:B:66:ALA:HB3	1:B:74:PHE:H	18	0.2
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	16	0.2
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	15	0.2
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	18	0.2
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	12	0.2
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	12	0.2
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	12	0.2
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	12	0.2
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	12	0.2
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	12	0.2
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	12	0.2
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	12	0.2
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	11	0.2
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	18	0.2
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	17	0.2
(1,584)	1:B:48:SER:H	1:B:59:VAL:H	10	0.2
(1,584)	1:B:48:SER:H	1:B:59:VAL:H	14	0.2
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	4	0.2
(1,577)	1:B:46:THR:H	1:B:61:ARG:H	1	0.2
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD11	16	0.2
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD12	16	0.2
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD13	16	0.2
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD11	16	0.2
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD12	16	0.2
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD13	16	0.2
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD11	16	0.2
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD12	16	0.2
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD13	16	0.2
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	8	0.2
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	3	0.2
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	10	0.2
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	18	0.2
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	15	0.2
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	16	0.2
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	6	0.2
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	6	0.2
(1,423)	1:A:137:PHE:H	1:A:140:TYR:H	1	0.2
(1,423)	1:A:137:PHE:H	1:A:140:TYR:H	17	0.2
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	2	0.2
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	19	0.2
(1,346)	1:A:99:GLY:H	1:A:102:CYS:H	5	0.2
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	3	0.2
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	20	0.2
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	17	0.2
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	4	0.2
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	7	0.2
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	15	0.2
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	12	0.2
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	19	0.2
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	10	0.2
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	14	0.2
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD21	11	0.2
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD22	11	0.2
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD23	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD21	11	0.2
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD22	11	0.2
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD23	11	0.2
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD21	11	0.2
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD22	11	0.2
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD23	11	0.2
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	19	0.2
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	19	0.2
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	19	0.2
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	19	0.2
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	19	0.2
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	19	0.2
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	19	0.2
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	19	0.2
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	19	0.2
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE1	8	0.2
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE2	8	0.2
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE3	8	0.2
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE1	8	0.2
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE2	8	0.2
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE3	8	0.2
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE1	8	0.2
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE2	8	0.2
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE3	8	0.2
(1,1740)	1:D:131:VAL:HG11	2:G:207:VAL:HG21	5	0.2
(1,1740)	1:D:131:VAL:HG11	2:G:207:VAL:HG22	5	0.2
(1,1740)	1:D:131:VAL:HG11	2:G:207:VAL:HG23	5	0.2
(1,1740)	1:D:131:VAL:HG12	2:G:207:VAL:HG21	5	0.2
(1,1740)	1:D:131:VAL:HG12	2:G:207:VAL:HG22	5	0.2
(1,1740)	1:D:131:VAL:HG12	2:G:207:VAL:HG23	5	0.2
(1,1740)	1:D:131:VAL:HG13	2:G:207:VAL:HG21	5	0.2
(1,1740)	1:D:131:VAL:HG13	2:G:207:VAL:HG22	5	0.2
(1,1740)	1:D:131:VAL:HG13	2:G:207:VAL:HG23	5	0.2
(1,1739)	1:D:129:ALA:HB1	2:G:204:ILE:HD11	1	0.2
(1,1739)	1:D:129:ALA:HB1	2:G:204:ILE:HD12	1	0.2
(1,1739)	1:D:129:ALA:HB1	2:G:204:ILE:HD13	1	0.2
(1,1739)	1:D:129:ALA:HB2	2:G:204:ILE:HD11	1	0.2
(1,1739)	1:D:129:ALA:HB2	2:G:204:ILE:HD12	1	0.2
(1,1739)	1:D:129:ALA:HB2	2:G:204:ILE:HD13	1	0.2
(1,1739)	1:D:129:ALA:HB3	2:G:204:ILE:HD11	1	0.2
(1,1739)	1:D:129:ALA:HB3	2:G:204:ILE:HD12	1	0.2
(1,1739)	1:D:129:ALA:HB3	2:G:204:ILE:HD13	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	2	0.2
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE2	2	0.2
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE3	2	0.2
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE1	2	0.2
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE2	2	0.2
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE3	2	0.2
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE1	2	0.2
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE2	2	0.2
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE3	2	0.2
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE1	16	0.2
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE2	16	0.2
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE3	16	0.2
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE1	16	0.2
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE2	16	0.2
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE3	16	0.2
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE1	16	0.2
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE2	16	0.2
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE3	16	0.2
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD11	11	0.2
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD12	11	0.2
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD13	11	0.2
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD11	11	0.2
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD12	11	0.2
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD13	11	0.2
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD11	11	0.2
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD12	11	0.2
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD13	11	0.2
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	3	0.2
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	3	0.2
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	3	0.2
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	3	0.2
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	3	0.2
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	3	0.2
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	3	0.2
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	3	0.2
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	3	0.2
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD21	8	0.2
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD22	8	0.2
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD23	8	0.2
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD21	8	0.2
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD22	8	0.2
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD23	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD21	8	0.2
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD22	8	0.2
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD23	8	0.2
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD11	6	0.2
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD12	6	0.2
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD13	6	0.2
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD11	6	0.2
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD12	6	0.2
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD13	6	0.2
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD11	6	0.2
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD12	6	0.2
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD13	6	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD11	2	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD12	2	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD13	2	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD21	2	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD22	2	0.2
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD23	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD11	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD12	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD13	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD21	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD22	2	0.2
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD23	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD11	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD12	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD13	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD21	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD22	2	0.2
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD23	2	0.2
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	17	0.2
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	17	0.2
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	17	0.2
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	17	0.2
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	17	0.2
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	17	0.2
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	17	0.2
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	17	0.2
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	17	0.2
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	1	0.2
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	6	0.2
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	15	0.2
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	17	0.2
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	14	0.2
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	6	0.2
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	11	0.2
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	19	0.2
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	17	0.2
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	2	0.2
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD11	3	0.2
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD12	3	0.2
(1,141)	1:A:43:ASP:H	1:A:128:LEU:HD13	3	0.2
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	11	0.2
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	19	0.2
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	4	0.2
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	8	0.2
(1,1375)	1:D:40:VAL:HG21	1:D:126:LEU:HD21	3	0.2
(1,1375)	1:D:40:VAL:HG21	1:D:126:LEU:HD22	3	0.2
(1,1375)	1:D:40:VAL:HG21	1:D:126:LEU:HD23	3	0.2
(1,1375)	1:D:40:VAL:HG22	1:D:126:LEU:HD21	3	0.2
(1,1375)	1:D:40:VAL:HG22	1:D:126:LEU:HD22	3	0.2
(1,1375)	1:D:40:VAL:HG22	1:D:126:LEU:HD23	3	0.2
(1,1375)	1:D:40:VAL:HG23	1:D:126:LEU:HD21	3	0.2
(1,1375)	1:D:40:VAL:HG23	1:D:126:LEU:HD22	3	0.2
(1,1375)	1:D:40:VAL:HG23	1:D:126:LEU:HD23	3	0.2
(1,1367)	1:D:40:VAL:HG11	1:D:41:LYS:H	19	0.2
(1,1367)	1:D:40:VAL:HG12	1:D:41:LYS:H	19	0.2
(1,1367)	1:D:40:VAL:HG13	1:D:41:LYS:H	19	0.2
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	18	0.2
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	2	0.2
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	8	0.2
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	16	0.2
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	7	0.2
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	10	0.2
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	10	0.2
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	3	0.2
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	4	0.2
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	11	0.2
(1,1222)	1:C:115:THR:H	1:C:126:LEU:H	18	0.2
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	5	0.2
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	17	0.2
(1,1199)	1:C:101:TYR:H	1:C:102:CYS:H	8	0.2
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:C:97:CYS:H	1:C:98:LEU:H	10	0.2
(1,116)	1:A:39:GLU:H	1:A:40:VAL:H	17	0.2
(1,1138)	1:C:77:GLU:H	1:C:78:VAL:H	14	0.2
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	12	0.2
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	16	0.2
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	11	0.2
(1,107)	1:A:36:TRP:HE3	1:A:68:LEU:HD21	6	0.2
(1,107)	1:A:36:TRP:HE3	1:A:68:LEU:HD22	6	0.2
(1,107)	1:A:36:TRP:HE3	1:A:68:LEU:HD23	6	0.2
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	6	0.2
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	6	0.2
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	6	0.2
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	7	0.19
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD11	18	0.19
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD12	18	0.19
(1,977)	1:C:40:VAL:HG11	1:C:128:LEU:HD13	18	0.19
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD11	18	0.19
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD12	18	0.19
(1,977)	1:C:40:VAL:HG12	1:C:128:LEU:HD13	18	0.19
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD11	18	0.19
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD12	18	0.19
(1,977)	1:C:40:VAL:HG13	1:C:128:LEU:HD13	18	0.19
(1,972)	1:C:39:GLU:H	1:C:69:GLY:H	2	0.19
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	2	0.19
(1,954)	1:C:31:VAL:HG11	1:C:36:TRP:HE1	11	0.19
(1,954)	1:C:31:VAL:HG12	1:C:36:TRP:HE1	11	0.19
(1,954)	1:C:31:VAL:HG13	1:C:36:TRP:HE1	11	0.19
(1,93)	1:A:31:VAL:HG21	1:A:36:TRP:HE3	1	0.19
(1,93)	1:A:31:VAL:HG22	1:A:36:TRP:HE3	1	0.19
(1,93)	1:A:31:VAL:HG23	1:A:36:TRP:HE3	1	0.19
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	6	0.19
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	16	0.19
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	20	0.19
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	1	0.19
(1,843)	1:B:133:PHE:H	1:B:136:LEU:H	9	0.19
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	8	0.19
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	15	0.19
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	1	0.19
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	19	0.19
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	1	0.19
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	8	0.19
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:B:87:ALA:H	1:B:89:ILE:H	5	0.19
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	20	0.19
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	7	0.19
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	2	0.19
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE1	1	0.19
(1,570)	1:B:44:LEU:HD21	1:B:133:PHE:HE2	1	0.19
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE1	1	0.19
(1,570)	1:B:44:LEU:HD22	1:B:133:PHE:HE2	1	0.19
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE1	1	0.19
(1,570)	1:B:44:LEU:HD23	1:B:133:PHE:HE2	1	0.19
(1,560)	1:B:43:ASP:H	1:B:64:VAL:H	18	0.19
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	1	0.19
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	12	0.19
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	12	0.19
(1,550)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	12	0.19
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	12	0.19
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	12	0.19
(1,550)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	12	0.19
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	12	0.19
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	12	0.19
(1,550)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	12	0.19
(1,538)	1:B:41:LYS:H	1:B:65:THR:H	10	0.19
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	5	0.19
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	12	0.19
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	3	0.19
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	12	0.19
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	10	0.19
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	11	0.19
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	11	0.19
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	11	0.19
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	20	0.19
(1,395)	1:A:122:THR:H	1:B:18:THR:H	3	0.19
(1,395)	1:A:122:THR:H	1:B:18:THR:H	6	0.19
(1,395)	1:A:122:THR:H	1:B:18:THR:H	18	0.19
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	5	0.19
(1,359)	1:A:110:ALA:H	1:A:112:GLU:H	20	0.19
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	2	0.19
(1,342)	1:A:98:LEU:HD11	1:A:99:GLY:H	2	0.19
(1,342)	1:A:98:LEU:HD12	1:A:99:GLY:H	2	0.19
(1,342)	1:A:98:LEU:HD13	1:A:99:GLY:H	2	0.19
(1,340)	1:A:98:LEU:H	1:A:101:TYR:H	17	0.19
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:A:92:THR:H	1:A:94:MET:H	17	0.19
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD11	19	0.19
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD12	19	0.19
(1,306)	1:A:87:ALA:H	1:A:89:ILE:HD13	19	0.19
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	6	0.19
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	13	0.19
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	19	0.19
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	14	0.19
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	19	0.19
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	19	0.19
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	19	0.19
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	19	0.19
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	19	0.19
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	19	0.19
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	19	0.19
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	19	0.19
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	19	0.19
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	1	0.19
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	7	0.19
(1,209)	1:A:60:LEU:H	1:A:82:GLY:H	12	0.19
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	14	0.19
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	15	0.19
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	15	0.19
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	15	0.19
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	15	0.19
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	15	0.19
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	15	0.19
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	15	0.19
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	15	0.19
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	15	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD11	10	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD12	10	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD13	10	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD21	10	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD22	10	0.19
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD23	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD11	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD12	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD13	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD21	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD22	10	0.19
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD23	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD11	10	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD12	10	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD13	10	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD21	10	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD22	10	0.19
(1,1747)	1:D:94:MET:HE3	2:H:173:LEU:HD23	10	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	2	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	2	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	2	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	2	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	2	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	2	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	2	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	2	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	2	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	3	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	3	0.19
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	3	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	3	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	3	0.19
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	3	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	3	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	3	0.19
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	3	0.19
(1,1741)	1:D:135:ALA:HB1	2:G:207:VAL:HG11	17	0.19
(1,1741)	1:D:135:ALA:HB1	2:G:207:VAL:HG12	17	0.19
(1,1741)	1:D:135:ALA:HB1	2:G:207:VAL:HG13	17	0.19
(1,1741)	1:D:135:ALA:HB2	2:G:207:VAL:HG11	17	0.19
(1,1741)	1:D:135:ALA:HB2	2:G:207:VAL:HG12	17	0.19
(1,1741)	1:D:135:ALA:HB2	2:G:207:VAL:HG13	17	0.19
(1,1741)	1:D:135:ALA:HB3	2:G:207:VAL:HG11	17	0.19
(1,1741)	1:D:135:ALA:HB3	2:G:207:VAL:HG12	17	0.19
(1,1741)	1:D:135:ALA:HB3	2:G:207:VAL:HG13	17	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	3	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	3	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	3	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	3	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	3	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	3	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	3	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	3	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	5	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	5	0.19
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	5	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	5	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	5	0.19
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	5	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	5	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	5	0.19
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	5	0.19
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE1	3	0.19
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE2	3	0.19
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE3	3	0.19
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE1	3	0.19
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE2	3	0.19
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE3	3	0.19
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE1	3	0.19
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE2	3	0.19
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE3	3	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	11	0.19
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	11	0.19
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	11	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	18	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	18	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	18	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	18	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	18	0.19
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	18	0.19

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	10	0.19
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	10	0.19
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	10	0.19
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	10	0.19
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	10	0.19
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	10	0.19
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	3	0.19
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	3	0.19
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	3	0.19
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	3	0.19
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	3	0.19
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	3	0.19
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	3	0.19
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	3	0.19
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	3	0.19
(1,1670)	1:D:139:ASN:H	1:D:140:TYR:H	15	0.19
(1,1659)	1:D:136:LEU:H	1:D:139:ASN:H	17	0.19
(1,1654)	1:D:135:ALA:H	1:D:137:PHE:H	11	0.19
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	1	0.19
(1,1651)	1:D:134:ASP:H	1:D:136:LEU:H	3	0.19
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	9	0.19
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	7	0.19
(1,1636)	1:D:121:GLY:H	1:D:123:PHE:H	1	0.19
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	17	0.19
(1,1576)	1:D:96:HIS:H	1:D:98:LEU:H	12	0.19
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	2	0.19
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	2	0.19
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	2	0.19
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	6	0.19
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	2	0.19
(1,1472)	1:D:64:VAL:H	1:D:65:THR:H	13	0.19
(1,1413)	1:D:51:LEU:H	1:D:55:VAL:H	14	0.19
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	16	0.19
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	10	0.19
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	11	0.19
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	5	0.19
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	19	0.19
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	15	0.19
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	15	0.19
(1,1264)	1:C:136:LEU:H	1:C:139:ASN:H	3	0.19
(1,1264)	1:C:136:LEU:H	1:C:139:ASN:H	11	0.19
(1,1256)	1:C:134:ASP:H	1:C:135:ALA:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	3	0.19
(1,1253)	1:C:133:PHE:H	1:C:134:ASP:H	15	0.19
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	6	0.19
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	2	0.19
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	6	0.19
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	12	0.19
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	20	0.19
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	5	0.19
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	11	0.19
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	13	0.19
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	3	0.19
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG21	4	0.19
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG22	4	0.19
(1,1071)	1:C:60:LEU:HD21	1:C:62:VAL:HG23	4	0.19
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG21	4	0.19
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG22	4	0.19
(1,1071)	1:C:60:LEU:HD22	1:C:62:VAL:HG23	4	0.19
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG21	4	0.19
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG22	4	0.19
(1,1071)	1:C:60:LEU:HD23	1:C:62:VAL:HG23	4	0.19
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	2	0.19
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	2	0.19
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	2	0.19
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	2	0.19
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	2	0.19
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	2	0.19
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	4	0.19
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	12	0.19
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	17	0.18
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	17	0.18
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	17	0.18
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	17	0.18
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	17	0.18
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	17	0.18
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	17	0.18
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	17	0.18
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	17	0.18
(1,945)	1:C:28:ALA:H	1:C:30:HIS:H	1	0.18
(1,9)	1:A:11:PHE:HE1	1:A:12:GLN:H	1	0.18
(1,9)	1:A:11:PHE:HE2	1:A:12:GLN:H	1	0.18
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	17	0.18
(1,878)	1:C:11:PHE:HE1	1:C:12:GLN:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:C:11:PHE:HE2	1:C:12:GLN:H	11	0.18
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	1	0.18
(1,860)	1:B:137:PHE:H	1:B:139:ASN:H	12	0.18
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	5	0.18
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	6	0.18
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	13	0.18
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	19	0.18
(1,828)	1:B:121:GLY:H	1:B:123:PHE:H	10	0.18
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	3	0.18
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	16	0.18
(1,794)	1:B:109:TYR:H	1:B:111:ARG:H	3	0.18
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	20	0.18
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	20	0.18
(1,781)	1:B:98:LEU:H	1:B:102:CYS:H	5	0.18
(1,779)	1:B:98:LEU:H	1:B:100:ALA:H	15	0.18
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	6	0.18
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	13	0.18
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	14	0.18
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD21	9	0.18
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD22	9	0.18
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD23	9	0.18
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD21	9	0.18
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD22	9	0.18
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD23	9	0.18
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD21	9	0.18
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD22	9	0.18
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD23	9	0.18
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	13	0.18
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	14	0.18
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	18	0.18
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	5	0.18
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	5	0.18
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	9	0.18
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	9	0.18
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	16	0.18
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	20	0.18
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	10	0.18
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	12	0.18
(1,556)	1:B:42:LEU:HD21	1:B:129:ALA:H	16	0.18
(1,556)	1:B:42:LEU:HD22	1:B:129:ALA:H	16	0.18
(1,556)	1:B:42:LEU:HD23	1:B:129:ALA:H	16	0.18
(1,553)	1:B:42:LEU:HD21	1:B:128:LEU:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:B:42:LEU:HD22	1:B:128:LEU:H	8	0.18
(1,553)	1:B:42:LEU:HD23	1:B:128:LEU:H	8	0.18
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE1	7	0.18
(1,533)	1:B:40:VAL:HG11	1:B:74:PHE:HE2	7	0.18
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE1	7	0.18
(1,533)	1:B:40:VAL:HG12	1:B:74:PHE:HE2	7	0.18
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE1	7	0.18
(1,533)	1:B:40:VAL:HG13	1:B:74:PHE:HE2	7	0.18
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	2	0.18
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	13	0.18
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	3	0.18
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	3	0.18
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	8	0.18
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	8	0.18
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD11	4	0.18
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD12	4	0.18
(1,425)	1:A:137:PHE:HD1	1:A:141:LEU:HD13	4	0.18
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD11	4	0.18
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD12	4	0.18
(1,425)	1:A:137:PHE:HD2	1:A:141:LEU:HD13	4	0.18
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	7	0.18
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	4	0.18
(1,370)	1:A:113:CYS:H	1:A:116:SER:H	4	0.18
(1,370)	1:A:113:CYS:H	1:A:116:SER:H	20	0.18
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	7	0.18
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	5	0.18
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	4	0.18
(1,332)	1:A:96:HIS:H	1:A:98:LEU:H	5	0.18
(1,331)	1:A:96:HIS:H	1:A:97:CYS:H	7	0.18
(1,317)	1:A:92:THR:H	1:A:94:MET:H	18	0.18
(1,316)	1:A:92:THR:H	1:A:93:GLN:H	19	0.18
(1,305)	1:A:87:ALA:H	1:A:89:ILE:H	4	0.18
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	13	0.18
(1,262)	1:A:70:GLU:H	1:A:71:GLU:H	16	0.18
(1,260)	1:A:69:GLY:H	1:A:70:GLU:H	7	0.18
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	18	0.18
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD21	14	0.18
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD22	14	0.18
(1,249)	1:A:66:ALA:HB1	1:A:126:LEU:HD23	14	0.18
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD21	14	0.18
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD22	14	0.18
(1,249)	1:A:66:ALA:HB2	1:A:126:LEU:HD23	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD21	14	0.18
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD22	14	0.18
(1,249)	1:A:66:ALA:HB3	1:A:126:LEU:HD23	14	0.18
(1,238)	1:A:66:ALA:H	1:A:67:SER:H	18	0.18
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	2	0.18
(1,1762)	1:A:131:VAL:HG11	2:H:207:VAL:HG21	12	0.18
(1,1762)	1:A:131:VAL:HG11	2:H:207:VAL:HG22	12	0.18
(1,1762)	1:A:131:VAL:HG11	2:H:207:VAL:HG23	12	0.18
(1,1762)	1:A:131:VAL:HG12	2:H:207:VAL:HG21	12	0.18
(1,1762)	1:A:131:VAL:HG12	2:H:207:VAL:HG22	12	0.18
(1,1762)	1:A:131:VAL:HG12	2:H:207:VAL:HG23	12	0.18
(1,1762)	1:A:131:VAL:HG13	2:H:207:VAL:HG21	12	0.18
(1,1762)	1:A:131:VAL:HG13	2:H:207:VAL:HG22	12	0.18
(1,1762)	1:A:131:VAL:HG13	2:H:207:VAL:HG23	12	0.18
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	17	0.18
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	17	0.18
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	17	0.18
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	17	0.18
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	17	0.18
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	17	0.18
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	17	0.18
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	17	0.18
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	17	0.18
(1,1737)	1:A:56:TYR:HE1	2:G:174:MET:HE1	19	0.18
(1,1737)	1:A:56:TYR:HE1	2:G:174:MET:HE2	19	0.18
(1,1737)	1:A:56:TYR:HE1	2:G:174:MET:HE3	19	0.18
(1,1737)	1:A:56:TYR:HE2	2:G:174:MET:HE1	19	0.18
(1,1737)	1:A:56:TYR:HE2	2:G:174:MET:HE2	19	0.18
(1,1737)	1:A:56:TYR:HE2	2:G:174:MET:HE3	19	0.18
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	15	0.18
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	15	0.18
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	15	0.18
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	15	0.18
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	15	0.18
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	15	0.18
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	15	0.18
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	15	0.18
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	15	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	2	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	2	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	2	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	2	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	2	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	2	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	2	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	13	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	13	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	13	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	20	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	20	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	20	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	20	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	20	0.18
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	20	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	20	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	20	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	20	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	20	0.18
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	20	0.18
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	20	0.18
(1,1702)	1:B:94:MET:HE1	2:F:174:MET:HE1	17	0.18
(1,1702)	1:B:94:MET:HE1	2:F:174:MET:HE2	17	0.18
(1,1702)	1:B:94:MET:HE1	2:F:174:MET:HE3	17	0.18
(1,1702)	1:B:94:MET:HE2	2:F:174:MET:HE1	17	0.18
(1,1702)	1:B:94:MET:HE2	2:F:174:MET:HE2	17	0.18
(1,1702)	1:B:94:MET:HE2	2:F:174:MET:HE3	17	0.18
(1,1702)	1:B:94:MET:HE3	2:F:174:MET:HE1	17	0.18
(1,1702)	1:B:94:MET:HE3	2:F:174:MET:HE2	17	0.18
(1,1702)	1:B:94:MET:HE3	2:F:174:MET:HE3	17	0.18
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	16	0.18
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	16	0.18
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	16	0.18
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	16	0.18
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	16	0.18
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	16	0.18
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	16	0.18
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	16	0.18
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	16	0.18
(1,1689)	1:C:98:LEU:HD21	2:E:177:LEU:HD11	2	0.18
(1,1689)	1:C:98:LEU:HD21	2:E:177:LEU:HD12	2	0.18
(1,1689)	1:C:98:LEU:HD21	2:E:177:LEU:HD13	2	0.18
(1,1689)	1:C:98:LEU:HD22	2:E:177:LEU:HD11	2	0.18
(1,1689)	1:C:98:LEU:HD22	2:E:177:LEU:HD12	2	0.18
(1,1689)	1:C:98:LEU:HD22	2:E:177:LEU:HD13	2	0.18
(1,1689)	1:C:98:LEU:HD23	2:E:177:LEU:HD11	2	0.18
(1,1689)	1:C:98:LEU:HD23	2:E:177:LEU:HD12	2	0.18
(1,1689)	1:C:98:LEU:HD23	2:E:177:LEU:HD13	2	0.18
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB1	18	0.18
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB2	18	0.18
(1,1687)	1:C:126:LEU:HD11	2:E:189:ALA:HB3	18	0.18
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB1	18	0.18
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB2	18	0.18
(1,1687)	1:C:126:LEU:HD12	2:E:189:ALA:HB3	18	0.18
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB2	18	0.18
(1,1687)	1:C:126:LEU:HD13	2:E:189:ALA:HB3	18	0.18
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE1	19	0.18
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE2	19	0.18
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE3	19	0.18
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE1	19	0.18
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE2	19	0.18
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE3	19	0.18
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE1	19	0.18
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE2	19	0.18
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE3	19	0.18
(1,1670)	1:D:139:ASN:H	1:D:140:TYR:H	3	0.18
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	18	0.18
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	9	0.18
(1,1654)	1:D:135:ALA:H	1:D:137:PHE:H	13	0.18
(1,1651)	1:D:134:ASP:H	1:D:136:LEU:H	19	0.18
(1,1646)	1:D:133:PHE:H	1:D:134:ASP:H	17	0.18
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	10	0.18
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	5	0.18
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	18	0.18
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	18	0.18
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	18	0.18
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	11	0.18
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	1	0.18
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	16	0.18
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	16	0.18
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	16	0.18
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD21	19	0.18
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD22	19	0.18
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD23	19	0.18
(1,1457)	1:D:60:LEU:HD11	1:D:111:ARG:H	16	0.18
(1,1457)	1:D:60:LEU:HD12	1:D:111:ARG:H	16	0.18
(1,1457)	1:D:60:LEU:HD13	1:D:111:ARG:H	16	0.18
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	15	0.18
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	8	0.18
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	13	0.18
(1,1397)	1:D:47:ALA:H	1:D:59:VAL:H	4	0.18
(1,1385)	1:D:43:ASP:H	1:D:63:THR:H	2	0.18
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	16	0.18
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG11	7	0.18
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG12	7	0.18
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG13	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG11	7	0.18
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG12	7	0.18
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG13	7	0.18
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG11	7	0.18
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG12	7	0.18
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG13	7	0.18
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	9	0.18
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	13	0.18
(1,1327)	1:D:23:PHE:HD1	1:D:24:GLU:H	17	0.18
(1,1327)	1:D:23:PHE:HD2	1:D:24:GLU:H	17	0.18
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	12	0.18
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	20	0.18
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	11	0.18
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	15	0.18
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	13	0.18
(1,1215)	1:C:113:CYS:H	1:C:115:THR:H	13	0.18
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	1	0.18
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	2	0.18
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	10	0.18
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	16	0.18
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	4	0.18
(1,116)	1:A:39:GLU:H	1:A:40:VAL:H	10	0.18
(1,1159)	1:C:86:ILE:HD11	1:C:87:ALA:H	8	0.18
(1,1159)	1:C:86:ILE:HD12	1:C:87:ALA:H	8	0.18
(1,1159)	1:C:86:ILE:HD13	1:C:87:ALA:H	8	0.18
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	5	0.18
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	4	0.18
(1,1000)	1:C:44:LEU:HD21	1:C:45:ASP:H	9	0.18
(1,1000)	1:C:44:LEU:HD22	1:C:45:ASP:H	9	0.18
(1,1000)	1:C:44:LEU:HD23	1:C:45:ASP:H	9	0.18
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	18	0.17
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	12	0.17
(1,952)	1:C:31:VAL:H	1:C:33:GLN:H	15	0.17
(1,928)	1:C:22:SER:H	1:C:79:GLN:H	16	0.17
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	6	0.17
(1,861)	1:B:137:PHE:H	1:B:140:TYR:H	9	0.17
(1,860)	1:B:137:PHE:H	1:B:139:ASN:H	8	0.17
(1,860)	1:B:137:PHE:H	1:B:139:ASN:H	10	0.17
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	18	0.17
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	1	0.17
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	5	0.17
(1,814)	1:B:116:SER:H	1:B:117:MET:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	18	0.17
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	20	0.17
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	20	0.17
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	20	0.17
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	10	0.17
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	10	0.17
(1,670)	1:B:64:VAL:HG11	1:B:76:CYS:H	5	0.17
(1,670)	1:B:64:VAL:HG12	1:B:76:CYS:H	5	0.17
(1,670)	1:B:64:VAL:HG13	1:B:76:CYS:H	5	0.17
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	9	0.17
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	12	0.17
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	13	0.17
(1,595)	1:B:51:LEU:H	1:B:56:TYR:H	3	0.17
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	15	0.17
(1,556)	1:B:42:LEU:HD21	1:B:129:ALA:H	15	0.17
(1,556)	1:B:42:LEU:HD22	1:B:129:ALA:H	15	0.17
(1,556)	1:B:42:LEU:HD23	1:B:129:ALA:H	15	0.17
(1,520)	1:B:34:LYS:H	1:B:35:ASP:H	8	0.17
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	16	0.17
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	1	0.17
(1,439)	1:B:10:THR:H	1:B:11:PHE:H	16	0.17
(1,435)	1:B:9:MET:H	1:B:89:ILE:H	13	0.17
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	18	0.17
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	17	0.17
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	4	0.17
(1,348)	1:A:100:ALA:H	1:A:102:CYS:H	9	0.17
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	17	0.17
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	15	0.17
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	17	0.17
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	19	0.17
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	9	0.17
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	15	0.17
(1,321)	1:A:93:GLN:H	1:A:96:HIS:H	17	0.17
(1,299)	1:A:85:SER:H	1:A:86:ILE:H	20	0.17
(1,28)	1:A:14:GLN:H	1:A:85:SER:H	16	0.17
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	9	0.17
(1,253)	1:A:68:LEU:H	1:A:69:GLY:H	16	0.17
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD11	3	0.17
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD12	3	0.17
(1,234)	1:A:64:VAL:HG21	1:A:128:LEU:HD13	3	0.17
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD11	3	0.17
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD12	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:A:64:VAL:HG22	1:A:128:LEU:HD13	3	0.17
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD11	3	0.17
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD12	3	0.17
(1,234)	1:A:64:VAL:HG23	1:A:128:LEU:HD13	3	0.17
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	17	0.17
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	17	0.17
(1,232)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	17	0.17
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	17	0.17
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	17	0.17
(1,232)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	17	0.17
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	17	0.17
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	17	0.17
(1,232)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	17	0.17
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	19	0.17
(1,209)	1:A:60:LEU:H	1:A:82:GLY:H	18	0.17
(1,188)	1:A:56:TYR:H	1:A:86:ILE:H	8	0.17
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG11	5	0.17
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG12	5	0.17
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG13	5	0.17
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG11	5	0.17
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG12	5	0.17
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG13	5	0.17
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG11	5	0.17
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG12	5	0.17
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG13	5	0.17
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	16	0.17
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	16	0.17
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	16	0.17
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	16	0.17
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	16	0.17
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	16	0.17
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	16	0.17
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	16	0.17
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	16	0.17
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD11	3	0.17
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD12	3	0.17
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD13	3	0.17
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD11	3	0.17
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD12	3	0.17
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD13	3	0.17
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD11	3	0.17
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD12	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD13	3	0.17
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	6	0.17
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	6	0.17
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	6	0.17
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	6	0.17
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	6	0.17
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	6	0.17
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	6	0.17
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	6	0.17
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	6	0.17
(1,1734)	1:A:40:VAL:HG21	2:G:189:ALA:HB1	4	0.17
(1,1734)	1:A:40:VAL:HG21	2:G:189:ALA:HB2	4	0.17
(1,1734)	1:A:40:VAL:HG21	2:G:189:ALA:HB3	4	0.17
(1,1734)	1:A:40:VAL:HG22	2:G:189:ALA:HB1	4	0.17
(1,1734)	1:A:40:VAL:HG22	2:G:189:ALA:HB2	4	0.17
(1,1734)	1:A:40:VAL:HG22	2:G:189:ALA:HB3	4	0.17
(1,1734)	1:A:40:VAL:HG23	2:G:189:ALA:HB1	4	0.17
(1,1734)	1:A:40:VAL:HG23	2:G:189:ALA:HB2	4	0.17
(1,1734)	1:A:40:VAL:HG23	2:G:189:ALA:HB3	4	0.17
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	8	0.17
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE2	8	0.17
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE3	8	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE1	8	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE2	8	0.17
(1,1731)	1:A:87:ALA:HB2	2:G:174:MET:HE3	8	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE1	8	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE2	8	0.17
(1,1731)	1:A:87:ALA:HB3	2:G:174:MET:HE3	8	0.17
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE1	3	0.17
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE2	3	0.17
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE3	3	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE1	3	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE2	3	0.17
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE3	3	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE1	3	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE2	3	0.17
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE3	3	0.17
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB1	17	0.17
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB2	17	0.17
(1,1723)	1:A:89:ILE:HD11	2:G:172:ALA:HB3	17	0.17
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB1	17	0.17
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:A:89:ILE:HD12	2:G:172:ALA:HB3	17	0.17
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB1	17	0.17
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB2	17	0.17
(1,1723)	1:A:89:ILE:HD13	2:G:172:ALA:HB3	17	0.17
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD21	12	0.17
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD22	12	0.17
(1,1722)	1:A:86:ILE:HD11	2:G:173:LEU:HD23	12	0.17
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD21	12	0.17
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD22	12	0.17
(1,1722)	1:A:86:ILE:HD12	2:G:173:LEU:HD23	12	0.17
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD21	12	0.17
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD22	12	0.17
(1,1722)	1:A:86:ILE:HD13	2:G:173:LEU:HD23	12	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE1	7	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE2	7	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE3	7	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE1	7	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE2	7	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE3	7	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE1	7	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE2	7	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE3	7	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE1	8	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE2	8	0.17
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE3	8	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE1	8	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE2	8	0.17
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE3	8	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE1	8	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE2	8	0.17
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE3	8	0.17
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	1	0.17
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	1	0.17
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	1	0.17
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	1	0.17
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	1	0.17
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	1	0.17
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	1	0.17
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	1	0.17
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	1	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	4	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	4	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	4	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	4	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	4	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	4	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	4	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	4	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE1	16	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE2	16	0.17
(1,1708)	1:B:87:ALA:HB1	2:F:174:MET:HE3	16	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE1	16	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE2	16	0.17
(1,1708)	1:B:87:ALA:HB2	2:F:174:MET:HE3	16	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	16	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	16	0.17
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	16	0.17
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	8	0.17
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	8	0.17
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	8	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	8	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	8	0.17
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	8	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	8	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	8	0.17
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	8	0.17
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB1	2	0.17
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB2	2	0.17
(1,1688)	1:C:40:VAL:HG21	2:E:189:ALA:HB3	2	0.17
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB1	2	0.17
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB2	2	0.17
(1,1688)	1:C:40:VAL:HG22	2:E:189:ALA:HB3	2	0.17
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB1	2	0.17
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB2	2	0.17
(1,1688)	1:C:40:VAL:HG23	2:E:189:ALA:HB3	2	0.17
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD11	7	0.17
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD12	7	0.17
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD13	7	0.17
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD11	7	0.17
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD12	7	0.17
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD13	7	0.17
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD11	7	0.17
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD12	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD13	7	0.17
(1,1671)	1:D:139:ASN:H	1:D:141:LEU:H	10	0.17
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	2	0.17
(1,1654)	1:D:135:ALA:H	1:D:137:PHE:H	1	0.17
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	6	0.17
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	10	0.17
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	4	0.17
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	15	0.17
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	11	0.17
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	13	0.17
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	12	0.17
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	7	0.17
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	1	0.17
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	5	0.17
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	14	0.17
(1,1562)	1:D:92:THR:H	1:D:93:GLN:H	12	0.17
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE1	3	0.17
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE2	3	0.17
(1,1557)	1:D:89:ILE:HD11	1:D:94:MET:HE3	3	0.17
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE1	3	0.17
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE2	3	0.17
(1,1557)	1:D:89:ILE:HD12	1:D:94:MET:HE3	3	0.17
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE1	3	0.17
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE2	3	0.17
(1,1557)	1:D:89:ILE:HD13	1:D:94:MET:HE3	3	0.17
(1,1556)	1:D:89:ILE:HD11	1:D:94:MET:H	16	0.17
(1,1556)	1:D:89:ILE:HD12	1:D:94:MET:H	16	0.17
(1,1556)	1:D:89:ILE:HD13	1:D:94:MET:H	16	0.17
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	8	0.17
(1,1544)	1:D:86:ILE:HD11	1:D:87:ALA:H	12	0.17
(1,1544)	1:D:86:ILE:HD12	1:D:87:ALA:H	12	0.17
(1,1544)	1:D:86:ILE:HD13	1:D:87:ALA:H	12	0.17
(1,1469)	1:D:62:VAL:HG11	1:D:128:LEU:HD11	15	0.17
(1,1469)	1:D:62:VAL:HG11	1:D:128:LEU:HD12	15	0.17
(1,1469)	1:D:62:VAL:HG11	1:D:128:LEU:HD13	15	0.17
(1,1469)	1:D:62:VAL:HG12	1:D:128:LEU:HD11	15	0.17
(1,1469)	1:D:62:VAL:HG12	1:D:128:LEU:HD12	15	0.17
(1,1469)	1:D:62:VAL:HG12	1:D:128:LEU:HD13	15	0.17
(1,1469)	1:D:62:VAL:HG13	1:D:128:LEU:HD11	15	0.17
(1,1469)	1:D:62:VAL:HG13	1:D:128:LEU:HD12	15	0.17
(1,1469)	1:D:62:VAL:HG13	1:D:128:LEU:HD13	15	0.17
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	10	0.17
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	10	0.17
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	10	0.17
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	10	0.17
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	10	0.17
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	10	0.17
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	10	0.17
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	10	0.17
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	1	0.17
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	2	0.17
(1,1434)	1:D:56:TYR:H	1:D:86:ILE:H	9	0.17
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	2	0.17
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	10	0.17
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	10	0.17
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD1	18	0.17
(1,1405)	1:D:49:SER:H	1:D:56:TYR:HD2	18	0.17
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	4	0.17
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	15	0.17
(1,1393)	1:D:45:ASP:H	1:D:61:ARG:H	5	0.17
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	8	0.17
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	15	0.17
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	5	0.17
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	17	0.17
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	12	0.17
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	12	0.17
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG11	2	0.17
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG12	2	0.17
(1,132)	1:A:41:LYS:H	1:A:64:VAL:HG13	2	0.17
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	3	0.17
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	20	0.17
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	10	0.17
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	7	0.17
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	8	0.17
(1,117)	1:A:39:GLU:H	1:A:66:ALA:HB1	1	0.17
(1,117)	1:A:39:GLU:H	1:A:66:ALA:HB2	1	0.17
(1,117)	1:A:39:GLU:H	1:A:66:ALA:HB3	1	0.17
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	6	0.17
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	4	0.17
(1,1085)	1:C:64:VAL:H	1:C:78:VAL:H	9	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	3	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	3	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	3	0.17
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	3	0.17
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	3	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	3	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	3	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	3	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	15	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	15	0.17
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	15	0.17
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	15	0.17
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	15	0.17
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	15	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	15	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	15	0.17
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	15	0.17
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	7	0.17
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	10	0.17
(1,997)	1:C:44:LEU:HD11	1:C:45:ASP:H	13	0.16
(1,997)	1:C:44:LEU:HD12	1:C:45:ASP:H	13	0.16
(1,997)	1:C:44:LEU:HD13	1:C:45:ASP:H	13	0.16
(1,985)	1:C:41:LYS:H	1:C:67:SER:H	5	0.16
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	1	0.16
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	1	0.16
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	1	0.16
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	3	0.16
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	3	0.16
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	3	0.16
(1,952)	1:C:31:VAL:H	1:C:33:GLN:H	6	0.16
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	13	0.16
(1,891)	1:C:14:GLN:H	1:C:15:ARG:H	6	0.16
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	18	0.16
(1,868)	1:B:139:ASN:H	1:B:141:LEU:H	2	0.16
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD1	5	0.16
(1,858)	1:B:136:LEU:HD21	1:B:140:TYR:HD2	5	0.16
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD1	5	0.16
(1,858)	1:B:136:LEU:HD22	1:B:140:TYR:HD2	5	0.16
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD1	5	0.16
(1,858)	1:B:136:LEU:HD23	1:B:140:TYR:HD2	5	0.16
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	10	0.16
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	10	0.16
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	19	0.16
(1,826)	1:B:119:SER:H	1:B:123:PHE:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	4	0.16
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	12	0.16
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	17	0.16
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	9	0.16
(1,780)	1:B:98:LEU:H	1:B:101:TYR:H	18	0.16
(1,758)	1:B:92:THR:H	1:B:94:MET:H	16	0.16
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	19	0.16
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	19	0.16
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	19	0.16
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	19	0.16
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	3	0.16
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	3	0.16
(1,7)	1:A:11:PHE:HD1	1:A:12:GLN:H	1	0.16
(1,7)	1:A:11:PHE:HD2	1:A:12:GLN:H	1	0.16
(1,683)	1:B:66:ALA:H	1:B:73:ALA:H	17	0.16
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	6	0.16
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	8	0.16
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	10	0.16
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	18	0.16
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	2	0.16
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	2	0.16
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	2	0.16
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	2	0.16
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	2	0.16
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	2	0.16
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	2	0.16
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	2	0.16
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	2	0.16
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	15	0.16
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	2	0.16
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	17	0.16
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	3	0.16
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	8	0.16
(1,586)	1:B:49:SER:H	1:B:57:GLU:H	15	0.16
(1,584)	1:B:48:SER:H	1:B:59:VAL:H	15	0.16
(1,555)	1:B:42:LEU:HD21	1:B:128:LEU:HD21	2	0.16
(1,555)	1:B:42:LEU:HD21	1:B:128:LEU:HD22	2	0.16
(1,555)	1:B:42:LEU:HD21	1:B:128:LEU:HD23	2	0.16
(1,555)	1:B:42:LEU:HD22	1:B:128:LEU:HD21	2	0.16
(1,555)	1:B:42:LEU:HD22	1:B:128:LEU:HD22	2	0.16
(1,555)	1:B:42:LEU:HD22	1:B:128:LEU:HD23	2	0.16
(1,555)	1:B:42:LEU:HD23	1:B:128:LEU:HD21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:B:42:LEU:HD23	1:B:128:LEU:HD22	2	0.16
(1,555)	1:B:42:LEU:HD23	1:B:128:LEU:HD23	2	0.16
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD11	19	0.16
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD12	19	0.16
(1,551)	1:B:42:LEU:HD21	1:B:126:LEU:HD13	19	0.16
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD11	19	0.16
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD12	19	0.16
(1,551)	1:B:42:LEU:HD22	1:B:126:LEU:HD13	19	0.16
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD11	19	0.16
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD12	19	0.16
(1,551)	1:B:42:LEU:HD23	1:B:126:LEU:HD13	19	0.16
(1,538)	1:B:41:LYS:H	1:B:65:THR:H	13	0.16
(1,520)	1:B:34:LYS:H	1:B:35:ASP:H	20	0.16
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	16	0.16
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	16	0.16
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	17	0.16
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	17	0.16
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	9	0.16
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	8	0.16
(1,460)	1:B:14:GLN:H	1:B:83:ILE:H	20	0.16
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	1	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	17	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	17	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	17	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	17	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	17	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	17	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	18	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	18	0.16
(1,41)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	18	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	18	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	18	0.16
(1,41)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	18	0.16
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	10	0.16
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	12	0.16
(1,370)	1:A:113:CYS:H	1:A:116:SER:H	6	0.16
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	8	0.16
(1,364)	1:A:112:GLU:H	1:A:113:CYS:H	9	0.16
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	18	0.16
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	1	0.16
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	13	0.16
(1,327)	1:A:95:ALA:H	1:A:97:CYS:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE1	11	0.16
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE2	11	0.16
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE3	11	0.16
(1,256)	1:A:68:LEU:H	1:A:73:ALA:H	15	0.16
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD11	18	0.16
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD12	18	0.16
(1,223)	1:A:62:VAL:HG11	1:A:128:LEU:HD13	18	0.16
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD11	18	0.16
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD12	18	0.16
(1,223)	1:A:62:VAL:HG12	1:A:128:LEU:HD13	18	0.16
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD11	18	0.16
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD12	18	0.16
(1,223)	1:A:62:VAL:HG13	1:A:128:LEU:HD13	18	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	11	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	11	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	11	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	11	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	11	0.16
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	11	0.16
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	11	0.16
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	11	0.16
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD11	1	0.16
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD12	1	0.16
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD13	1	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD11	1	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD12	1	0.16
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD13	1	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD11	1	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD12	1	0.16
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD13	1	0.16
(1,1736)	1:A:46:THR:HG21	2:G:177:LEU:HD21	5	0.16
(1,1736)	1:A:46:THR:HG21	2:G:177:LEU:HD22	5	0.16

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE3	18	0.16
(1,1717)	1:C:131:VAL:HG11	2:F:207:VAL:HG21	18	0.16
(1,1717)	1:C:131:VAL:HG11	2:F:207:VAL:HG22	18	0.16
(1,1717)	1:C:131:VAL:HG11	2:F:207:VAL:HG23	18	0.16
(1,1717)	1:C:131:VAL:HG12	2:F:207:VAL:HG21	18	0.16
(1,1717)	1:C:131:VAL:HG12	2:F:207:VAL:HG22	18	0.16
(1,1717)	1:C:131:VAL:HG12	2:F:207:VAL:HG23	18	0.16
(1,1717)	1:C:131:VAL:HG13	2:F:207:VAL:HG21	18	0.16
(1,1717)	1:C:131:VAL:HG13	2:F:207:VAL:HG22	18	0.16
(1,1717)	1:C:131:VAL:HG13	2:F:207:VAL:HG23	18	0.16
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD11	8	0.16
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD12	8	0.16
(1,1715)	1:A:13:ILE:HG21	2:F:204:ILE:HD13	8	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD11	8	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD12	8	0.16
(1,1715)	1:A:13:ILE:HG22	2:F:204:ILE:HD13	8	0.16
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD11	8	0.16
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD12	8	0.16
(1,1715)	1:A:13:ILE:HG23	2:F:204:ILE:HD13	8	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	5	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	5	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	5	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	5	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	5	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	5	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	5	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	5	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	5	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	19	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	19	0.16
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	19	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	19	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	19	0.16
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	19	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	19	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	19	0.16
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	19	0.16
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	9	0.16
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	9	0.16
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	9	0.16
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	9	0.16
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	9	0.16
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	9	0.16
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	9	0.16
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	9	0.16
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD11	18	0.16
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD12	18	0.16
(1,1682)	1:C:42:LEU:HD21	2:E:187:ILE:HD13	18	0.16
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD11	18	0.16
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD12	18	0.16
(1,1682)	1:C:42:LEU:HD22	2:E:187:ILE:HD13	18	0.16
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD11	18	0.16
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD12	18	0.16
(1,1682)	1:C:42:LEU:HD23	2:E:187:ILE:HD13	18	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD11	1	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD12	1	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD13	1	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD21	1	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD22	1	0.16
(1,1678)	1:C:94:MET:HE1	2:E:173:LEU:HD23	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD11	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD12	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD13	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD21	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD22	1	0.16
(1,1678)	1:C:94:MET:HE2	2:E:173:LEU:HD23	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD11	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD12	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD13	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD21	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD22	1	0.16
(1,1678)	1:C:94:MET:HE3	2:E:173:LEU:HD23	1	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	6	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	6	0.16
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	6	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	6	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	6	0.16
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	6	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	6	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	6	0.16
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	6	0.16
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE1	9	0.16
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE3	9	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE1	9	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE2	9	0.16
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE3	9	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE1	9	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE2	9	0.16
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE3	9	0.16
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE1	15	0.16
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE2	15	0.16
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE3	15	0.16
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE1	15	0.16
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE2	15	0.16
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE3	15	0.16
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE1	15	0.16
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE2	15	0.16
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE3	15	0.16
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	3	0.16
(1,1659)	1:D:136:LEU:H	1:D:139:ASN:H	3	0.16
(1,1649)	1:D:133:PHE:HD1	1:D:134:ASP:H	11	0.16
(1,1649)	1:D:133:PHE:HD2	1:D:134:ASP:H	11	0.16
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	17	0.16
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	17	0.16
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	2	0.16
(1,162)	1:A:49:SER:H	1:A:59:VAL:H	4	0.16
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	4	0.16
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	4	0.16
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	4	0.16
(1,1576)	1:D:96:HIS:H	1:D:98:LEU:H	5	0.16
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	9	0.16
(1,1570)	1:D:95:ALA:H	1:D:96:HIS:H	11	0.16
(1,1552)	1:D:88:GLY:H	1:D:89:ILE:H	1	0.16
(1,154)	1:A:47:ALA:H	1:A:59:VAL:H	15	0.16
(1,1533)	1:D:79:GLN:H	1:D:80:GLN:H	16	0.16
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD21	5	0.16
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD22	5	0.16
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD23	5	0.16
(1,1452)	1:D:60:LEU:H	1:D:81:GLY:H	7	0.16
(1,1452)	1:D:60:LEU:H	1:D:81:GLY:H	17	0.16
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	18	0.16
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	1	0.16
(1,1407)	1:D:49:SER:H	1:D:57:GLU:H	14	0.16
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	19	0.16
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	20	0.16
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG11	12	0.16
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG12	12	0.16
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG13	12	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG11	12	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG12	12	0.16
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG13	12	0.16
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG11	12	0.16
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG12	12	0.16
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG13	12	0.16
(1,133)	1:A:41:LYS:H	1:A:65:THR:H	18	0.16
(1,1327)	1:D:23:PHE:HD1	1:D:24:GLU:H	12	0.16
(1,1327)	1:D:23:PHE:HD2	1:D:24:GLU:H	12	0.16
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	19	0.16
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	19	0.16
(1,1260)	1:C:135:ALA:H	1:C:138:MET:H	17	0.16
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	15	0.16
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	13	0.16
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	20	0.16
(1,122)	1:A:40:VAL:HG11	1:A:41:LYS:H	6	0.16
(1,122)	1:A:40:VAL:HG12	1:A:41:LYS:H	6	0.16
(1,122)	1:A:40:VAL:HG13	1:A:41:LYS:H	6	0.16
(1,1203)	1:C:109:TYR:H	1:C:111:ARG:H	16	0.16
(1,120)	1:A:39:GLU:H	1:A:69:GLY:H	8	0.16
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	15	0.16
(1,1190)	1:C:97:CYS:H	1:C:99:GLY:H	4	0.16
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	9	0.16
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE1	16	0.16
(1,113)	1:A:36:TRP:HZ3	1:A:123:PHE:HE2	16	0.16
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	20	0.16
(1,1116)	1:C:69:GLY:H	1:C:70:GLU:H	1	0.16
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	19	0.16
(1,1066)	1:C:60:LEU:H	1:C:80:GLN:H	17	0.16
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD11	4	0.16
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD12	4	0.16
(1,1056)	1:C:58:VAL:HG21	1:C:98:LEU:HD13	4	0.16
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD11	4	0.16
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD12	4	0.16
(1,1056)	1:C:58:VAL:HG22	1:C:98:LEU:HD13	4	0.16
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD11	4	0.16
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD12	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:C:58:VAL:HG23	1:C:98:LEU:HD13	4	0.16
(1,105)	1:A:36:TRP:HE3	1:A:37:GLN:H	19	0.16
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	20	0.16
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	20	0.16
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	19	0.16
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	19	0.16
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	19	0.16
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD11	17	0.15
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD12	17	0.15
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD13	17	0.15
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD11	17	0.15
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD12	17	0.15
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD13	17	0.15
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD11	17	0.15
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD12	17	0.15
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD13	17	0.15
(1,945)	1:C:28:ALA:H	1:C:30:HIS:H	11	0.15
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	18	0.15
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	5	0.15
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	5	0.15
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	5	0.15
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	5	0.15
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	5	0.15
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	5	0.15
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	11	0.15
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	13	0.15
(1,875)	1:C:10:THR:H	1:C:89:ILE:H	14	0.15
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	5	0.15
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	15	0.15
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	11	0.15
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	17	0.15
(1,847)	1:B:134:ASP:H	1:B:137:PHE:H	5	0.15
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	20	0.15
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	9	0.15
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	17	0.15
(1,832)	1:B:126:LEU:H	1:B:127:ASN:H	14	0.15
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	2	0.15
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	15	0.15
(1,780)	1:B:98:LEU:H	1:B:101:TYR:H	5	0.15
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	3	0.15
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	12	0.15
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	16	0.15
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	6	0.15
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	17	0.15
(1,70)	1:A:23:PHE:HE1	1:A:24:GLU:H	9	0.15
(1,70)	1:A:23:PHE:HE2	1:A:24:GLU:H	9	0.15
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	13	0.15
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD11	4	0.15
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD12	4	0.15
(1,677)	1:B:64:VAL:HG21	1:B:126:LEU:HD13	4	0.15
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD11	4	0.15
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD12	4	0.15
(1,677)	1:B:64:VAL:HG22	1:B:126:LEU:HD13	4	0.15
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD11	4	0.15
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD12	4	0.15
(1,677)	1:B:64:VAL:HG23	1:B:126:LEU:HD13	4	0.15
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	15	0.15
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	15	0.15
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	15	0.15
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	15	0.15
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	15	0.15
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	15	0.15
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	15	0.15
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	15	0.15
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	15	0.15
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	19	0.15
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	13	0.15
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD21	9	0.15
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD22	9	0.15
(1,632)	1:B:58:VAL:HG21	1:B:98:LEU:HD23	9	0.15
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD21	9	0.15
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD22	9	0.15
(1,632)	1:B:58:VAL:HG22	1:B:98:LEU:HD23	9	0.15
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD21	9	0.15
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD22	9	0.15
(1,632)	1:B:58:VAL:HG23	1:B:98:LEU:HD23	9	0.15
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	14	0.15
(1,601)	1:B:52:ALA:H	1:B:55:VAL:H	3	0.15
(1,597)	1:B:51:LEU:H	1:B:57:GLU:H	12	0.15
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	12	0.15
(1,584)	1:B:48:SER:H	1:B:59:VAL:H	5	0.15
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG11	15	0.15
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG12	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:B:47:ALA:H	1:B:58:VAL:HG13	15	0.15
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	4	0.15
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	6	0.15
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	8	0.15
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	14	0.15
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	18	0.15
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	18	0.15
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	20	0.15
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	16	0.15
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	2	0.15
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	9	0.15
(1,423)	1:A:137:PHE:H	1:A:140:TYR:H	20	0.15
(1,408)	1:A:133:PHE:H	1:A:134:ASP:H	2	0.15
(1,390)	1:A:119:SER:H	1:A:123:PHE:H	10	0.15
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD21	11	0.15
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD22	11	0.15
(1,388)	1:A:118:VAL:HG21	1:A:126:LEU:HD23	11	0.15
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD21	11	0.15
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD22	11	0.15
(1,388)	1:A:118:VAL:HG22	1:A:126:LEU:HD23	11	0.15
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD21	11	0.15
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD22	11	0.15
(1,388)	1:A:118:VAL:HG23	1:A:126:LEU:HD23	11	0.15
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	1	0.15
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	2	0.15
(1,359)	1:A:110:ALA:H	1:A:112:GLU:H	12	0.15
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	4	0.15
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	2	0.15
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	8	0.15
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	10	0.15
(1,324)	1:A:94:MET:H	1:A:97:CYS:H	1	0.15
(1,324)	1:A:94:MET:H	1:A:97:CYS:H	4	0.15
(1,313)	1:A:90:GLU:H	1:A:94:MET:H	3	0.15
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	2	0.15
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE1	17	0.15
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE2	17	0.15
(1,282)	1:A:77:GLU:H	1:A:117:MET:HE3	17	0.15
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	8	0.15
(1,262)	1:A:70:GLU:H	1:A:71:GLU:H	11	0.15
(1,262)	1:A:70:GLU:H	1:A:71:GLU:H	15	0.15
(1,260)	1:A:69:GLY:H	1:A:70:GLU:H	1	0.15
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	4	0.15
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	18	0.15
(1,1761)	1:A:129:ALA:HB1	2:H:204:ILE:HD11	4	0.15
(1,1761)	1:A:129:ALA:HB1	2:H:204:ILE:HD12	4	0.15
(1,1761)	1:A:129:ALA:HB1	2:H:204:ILE:HD13	4	0.15
(1,1761)	1:A:129:ALA:HB2	2:H:204:ILE:HD11	4	0.15
(1,1761)	1:A:129:ALA:HB2	2:H:204:ILE:HD12	4	0.15
(1,1761)	1:A:129:ALA:HB2	2:H:204:ILE:HD13	4	0.15
(1,1761)	1:A:129:ALA:HB3	2:H:204:ILE:HD11	4	0.15
(1,1761)	1:A:129:ALA:HB3	2:H:204:ILE:HD12	4	0.15
(1,1761)	1:A:129:ALA:HB3	2:H:204:ILE:HD13	4	0.15
(1,1760)	1:C:13:ILE:HG21	2:H:204:ILE:HD11	14	0.15
(1,1760)	1:C:13:ILE:HG21	2:H:204:ILE:HD12	14	0.15
(1,1760)	1:C:13:ILE:HG21	2:H:204:ILE:HD13	14	0.15
(1,1760)	1:C:13:ILE:HG22	2:H:204:ILE:HD11	14	0.15
(1,1760)	1:C:13:ILE:HG22	2:H:204:ILE:HD12	14	0.15
(1,1760)	1:C:13:ILE:HG22	2:H:204:ILE:HD13	14	0.15
(1,1760)	1:C:13:ILE:HG23	2:H:204:ILE:HD11	14	0.15
(1,1760)	1:C:13:ILE:HG23	2:H:204:ILE:HD12	14	0.15
(1,1760)	1:C:13:ILE:HG23	2:H:204:ILE:HD13	14	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	16	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	16	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	16	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	16	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	16	0.15
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	16	0.15
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	16	0.15
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	16	0.15
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD11	11	0.15
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD12	11	0.15
(1,1750)	1:D:128:LEU:HD21	2:H:187:ILE:HD13	11	0.15
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD11	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD12	11	0.15
(1,1750)	1:D:128:LEU:HD22	2:H:187:ILE:HD13	11	0.15
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD11	11	0.15
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD12	11	0.15
(1,1750)	1:D:128:LEU:HD23	2:H:187:ILE:HD13	11	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	2	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	2	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	2	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	2	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	2	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	2	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	2	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	2	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	2	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	18	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	18	0.15
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	18	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	18	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	18	0.15
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	18	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	18	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	18	0.15
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	18	0.15
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	10	0.15
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	10	0.15
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	10	0.15
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	10	0.15
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	10	0.15
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	10	0.15
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	10	0.15
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	10	0.15
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	10	0.15
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE1	6	0.15
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE2	6	0.15
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE3	6	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE1	6	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE2	6	0.15
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE3	6	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE1	6	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE2	6	0.15
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE3	6	0.15
(1,1731)	1:A:87:ALA:HB1	2:G:174:MET:HE1	14	0.15

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	12	0.15
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	12	0.15
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD21	3	0.15
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD22	3	0.15
(1,1706)	1:B:131:VAL:HG11	2:F:186:LEU:HD23	3	0.15
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD21	3	0.15
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD22	3	0.15
(1,1706)	1:B:131:VAL:HG12	2:F:186:LEU:HD23	3	0.15
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD21	3	0.15
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD22	3	0.15
(1,1706)	1:B:131:VAL:HG13	2:F:186:LEU:HD23	3	0.15
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	7	0.15
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	7	0.15
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	7	0.15
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	7	0.15
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	7	0.15
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	7	0.15
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	7	0.15
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	7	0.15
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	7	0.15
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD21	14	0.15
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD22	14	0.15
(1,1645)	1:D:131:VAL:HG21	1:D:136:LEU:HD23	14	0.15
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD21	14	0.15
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD22	14	0.15
(1,1645)	1:D:131:VAL:HG22	1:D:136:LEU:HD23	14	0.15
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD21	14	0.15
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD22	14	0.15
(1,1645)	1:D:131:VAL:HG23	1:D:136:LEU:HD23	14	0.15
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	20	0.15
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	5	0.15
(1,1590)	1:D:99:GLY:H	1:D:102:CYS:H	5	0.15
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	20	0.15
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	20	0.15
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	20	0.15
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	4	0.15
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	10	0.15
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	5	0.15
(1,1533)	1:D:79:GLN:H	1:D:80:GLN:H	17	0.15
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD21	14	0.15
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD22	14	0.15
(1,1512)	1:D:74:PHE:H	1:D:75:LEU:HD23	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	17	0.15
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE1	16	0.15
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE2	16	0.15
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	16	0.15
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	16	0.15
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	16	0.15
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	16	0.15
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	16	0.15
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	16	0.15
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	16	0.15
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	16	0.15
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	16	0.15
(1,1440)	1:D:58:VAL:H	1:D:84:PHE:H	15	0.15
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	7	0.15
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	7	0.15
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	20	0.15
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	7	0.15
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	18	0.15
(1,1396)	1:D:47:ALA:H	1:D:58:VAL:HG11	9	0.15
(1,1396)	1:D:47:ALA:H	1:D:58:VAL:HG12	9	0.15
(1,1396)	1:D:47:ALA:H	1:D:58:VAL:HG13	9	0.15
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	10	0.15
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	11	0.15
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG11	9	0.15
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG12	9	0.15
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG13	9	0.15
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG11	9	0.15
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG12	9	0.15
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG13	9	0.15
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG11	9	0.15
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG12	9	0.15
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG13	9	0.15
(1,1356)	1:D:33:GLN:H	1:D:34:LYS:H	20	0.15
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	11	0.15
(1,1322)	1:D:22:SER:H	1:D:77:GLU:H	13	0.15
(1,1307)	1:D:17:TYR:H	1:D:81:GLY:H	17	0.15
(1,1298)	1:D:14:GLN:H	1:D:84:PHE:HD1	13	0.15
(1,1298)	1:D:14:GLN:H	1:D:84:PHE:HD2	13	0.15
(1,1296)	1:D:14:GLN:H	1:D:15:ARG:H	1	0.15
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	2	0.15
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	2	0.15
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	8	0.15
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	17	0.15
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	17	0.15
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	13	0.15
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	13	0.15
(1,127)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	13	0.15
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	13	0.15
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	13	0.15
(1,127)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	13	0.15
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	13	0.15
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	13	0.15
(1,127)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	13	0.15
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	12	0.15
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	12	0.15
(1,1242)	1:C:121:GLY:H	1:C:123:PHE:H	2	0.15
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	9	0.15
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	9	0.15
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	18	0.15
(1,1182)	1:C:94:MET:H	1:C:97:CYS:H	10	0.15
(1,1118)	1:C:70:GLU:H	1:C:71:GLU:H	1	0.15
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	10	0.15
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	15	0.15
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	9	0.15
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD1	7	0.15
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD2	7	0.15
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	16	0.15
(1,995)	1:C:43:ASP:H	1:C:65:THR:H	3	0.14
(1,983)	1:C:41:LYS:H	1:C:64:VAL:HG11	11	0.14
(1,983)	1:C:41:LYS:H	1:C:64:VAL:HG12	11	0.14
(1,983)	1:C:41:LYS:H	1:C:64:VAL:HG13	11	0.14
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	4	0.14
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	17	0.14
(1,928)	1:C:22:SER:H	1:C:79:GLN:H	1	0.14
(1,914)	1:C:19:LYS:H	1:C:81:GLY:H	13	0.14
(1,914)	1:C:19:LYS:H	1:C:81:GLY:H	15	0.14
(1,912)	1:C:19:LYS:H	1:C:79:GLN:H	5	0.14
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	9	0.14
(1,89)	1:A:31:VAL:H	1:A:34:LYS:H	13	0.14
(1,887)	1:C:13:ILE:HD11	1:C:16:ILE:HD11	3	0.14
(1,887)	1:C:13:ILE:HD11	1:C:16:ILE:HD12	3	0.14
(1,887)	1:C:13:ILE:HD11	1:C:16:ILE:HD13	3	0.14
(1,887)	1:C:13:ILE:HD12	1:C:16:ILE:HD11	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:C:13:ILE:HD12	1:C:16:ILE:HD12	3	0.14
(1,887)	1:C:13:ILE:HD12	1:C:16:ILE:HD13	3	0.14
(1,887)	1:C:13:ILE:HD13	1:C:16:ILE:HD11	3	0.14
(1,887)	1:C:13:ILE:HD13	1:C:16:ILE:HD12	3	0.14
(1,887)	1:C:13:ILE:HD13	1:C:16:ILE:HD13	3	0.14
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	2	0.14
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	4	0.14
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	11	0.14
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	20	0.14
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	4	0.14
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	7	0.14
(1,846)	1:B:134:ASP:H	1:B:136:LEU:H	18	0.14
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	4	0.14
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	17	0.14
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	14	0.14
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	20	0.14
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	1	0.14
(1,815)	1:B:116:SER:H	1:B:118:VAL:H	14	0.14
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	13	0.14
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	19	0.14
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	4	0.14
(1,787)	1:B:100:ALA:H	1:B:102:CYS:H	18	0.14
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD21	14	0.14
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD22	14	0.14
(1,766)	1:B:94:MET:HE1	1:B:98:LEU:HD23	14	0.14
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD21	14	0.14
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD22	14	0.14
(1,766)	1:B:94:MET:HE2	1:B:98:LEU:HD23	14	0.14
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD21	14	0.14
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD22	14	0.14
(1,766)	1:B:94:MET:HE3	1:B:98:LEU:HD23	14	0.14
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	9	0.14
(1,75)	1:A:24:GLU:H	1:A:75:LEU:H	11	0.14
(1,739)	1:B:83:ILE:H	1:B:84:PHE:HE1	20	0.14
(1,739)	1:B:83:ILE:H	1:B:84:PHE:HE2	20	0.14
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	1	0.14
(1,683)	1:B:66:ALA:H	1:B:73:ALA:H	1	0.14
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	12	0.14
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	14	0.14
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	14	0.14
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	15	0.14
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE1	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE2	17	0.14
(1,6)	1:A:11:PHE:H	1:C:138:MET:HE3	17	0.14
(1,593)	1:B:51:LEU:H	1:B:55:VAL:H	17	0.14
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	2	0.14
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	8	0.14
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD11	14	0.14
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD12	14	0.14
(1,523)	1:B:36:TRP:H	1:B:68:LEU:HD13	14	0.14
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	17	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	3	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	3	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	3	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	3	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	3	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	3	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	3	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	3	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	3	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	6	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	6	0.14
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	6	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	6	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	6	0.14
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	6	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	6	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	6	0.14
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	6	0.14
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	4	0.14
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	4	0.14
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	14	0.14
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	14	0.14
(1,487)	1:B:21:ILE:HD11	1:B:79:GLN:H	1	0.14
(1,487)	1:B:21:ILE:HD12	1:B:79:GLN:H	1	0.14
(1,487)	1:B:21:ILE:HD13	1:B:79:GLN:H	1	0.14
(1,482)	1:B:20:ASP:H	1:B:81:GLY:H	11	0.14
(1,48)	1:A:19:LYS:H	1:A:79:GLN:H	16	0.14
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	3	0.14
(1,454)	1:B:13:ILE:HD11	1:B:14:GLN:H	15	0.14
(1,454)	1:B:13:ILE:HD12	1:B:14:GLN:H	15	0.14
(1,454)	1:B:13:ILE:HD13	1:B:14:GLN:H	15	0.14
(1,430)	1:A:139:ASN:H	1:A:140:TYR:H	7	0.14
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	12	0.14
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	20	0.14
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	8	0.14
(1,414)	1:A:134:ASP:H	1:A:137:PHE:H	18	0.14
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	5	0.14
(1,395)	1:A:122:THR:H	1:B:18:THR:H	19	0.14
(1,38)	1:A:17:TYR:H	1:A:82:GLY:H	19	0.14
(1,374)	1:A:115:THR:H	1:A:116:SER:H	9	0.14
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	11	0.14
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	15	0.14
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	20	0.14
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	1	0.14
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	6	0.14
(1,343)	1:A:99:GLY:H	1:A:100:ALA:H	1	0.14
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	6	0.14
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	9	0.14
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	16	0.14
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	4	0.14
(1,331)	1:A:96:HIS:H	1:A:97:CYS:H	17	0.14
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	16	0.14
(1,316)	1:A:92:THR:H	1:A:93:GLN:H	8	0.14
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	6	0.14
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	17	0.14
(1,30)	1:A:15:ARG:H	1:A:83:ILE:H	14	0.14
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	19	0.14
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	20	0.14
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	13	0.14
(1,242)	1:A:66:ALA:H	1:A:76:CYS:H	18	0.14
(1,227)	1:A:64:VAL:H	1:A:65:THR:H	11	0.14
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	7	0.14
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	15	0.14
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	15	0.14
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	15	0.14
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	15	0.14
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	15	0.14
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	15	0.14
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	15	0.14
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	15	0.14
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	15	0.14
(1,1751)	1:D:42:LEU:HD21	2:H:187:ILE:HD11	1	0.14
(1,1751)	1:D:42:LEU:HD21	2:H:187:ILE:HD12	1	0.14
(1,1751)	1:D:42:LEU:HD21	2:H:187:ILE:HD13	1	0.14

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	11	0.14
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	11	0.14
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	11	0.14
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	11	0.14
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	11	0.14
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	11	0.14
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	11	0.14
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	11	0.14
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	11	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	13	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	13	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	13	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	13	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	13	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	13	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	13	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	13	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	13	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD21	20	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD22	20	0.14
(1,1676)	1:C:86:ILE:HD11	2:E:173:LEU:HD23	20	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD21	20	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD22	20	0.14
(1,1676)	1:C:86:ILE:HD12	2:E:173:LEU:HD23	20	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD21	20	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD22	20	0.14
(1,1676)	1:C:86:ILE:HD13	2:E:173:LEU:HD23	20	0.14
(1,1662)	1:D:137:PHE:H	1:D:139:ASN:H	9	0.14
(1,1655)	1:D:135:ALA:H	1:D:138:MET:H	13	0.14
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD21	19	0.14
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD22	19	0.14
(1,1640)	1:D:126:LEU:HD21	1:D:128:LEU:HD23	19	0.14
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD21	19	0.14
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD22	19	0.14
(1,1640)	1:D:126:LEU:HD22	1:D:128:LEU:HD23	19	0.14
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD21	19	0.14
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD22	19	0.14
(1,1640)	1:D:126:LEU:HD23	1:D:128:LEU:HD23	19	0.14
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	8	0.14
(1,162)	1:A:49:SER:H	1:A:59:VAL:H	5	0.14
(1,1592)	1:D:100:ALA:H	1:D:102:CYS:H	13	0.14
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD21	9	0.14
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD22	9	0.14
(1,1574)	1:D:95:ALA:HB1	1:D:98:LEU:HD23	9	0.14
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD21	9	0.14
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD22	9	0.14
(1,1574)	1:D:95:ALA:HB2	1:D:98:LEU:HD23	9	0.14
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD21	9	0.14
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD22	9	0.14
(1,1574)	1:D:95:ALA:HB3	1:D:98:LEU:HD23	9	0.14
(1,1569)	1:D:94:MET:H	1:D:97:CYS:H	16	0.14
(1,1555)	1:D:89:ILE:HD11	1:D:90:GLU:H	14	0.14
(1,1555)	1:D:89:ILE:HD12	1:D:90:GLU:H	14	0.14
(1,1555)	1:D:89:ILE:HD13	1:D:90:GLU:H	14	0.14
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	4	0.14
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	9	0.14
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	13	0.14
(1,15)	1:A:12:GLN:H	1:A:85:SER:H	7	0.14
(1,1472)	1:D:64:VAL:H	1:D:65:THR:H	4	0.14
(1,147)	1:A:44:LEU:HD21	1:A:45:ASP:H	4	0.14
(1,147)	1:A:44:LEU:HD22	1:A:45:ASP:H	4	0.14
(1,147)	1:A:44:LEU:HD23	1:A:45:ASP:H	4	0.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD11	7	0.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD12	7	0.14
(1,1442)	1:D:58:VAL:HG11	1:D:98:LEU:HD13	7	0.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD11	7	0.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD12	7	0.14
(1,1442)	1:D:58:VAL:HG12	1:D:98:LEU:HD13	7	0.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD11	7	0.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD12	7	0.14
(1,1442)	1:D:58:VAL:HG13	1:D:98:LEU:HD13	7	0.14
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	9	0.14
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	9	0.14
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	16	0.14
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE1	14	0.14
(1,1406)	1:D:49:SER:H	1:D:56:TYR:HE2	14	0.14
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	18	0.14
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	5	0.14
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	5	0.14
(1,1382)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	5	0.14
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	5	0.14
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	5	0.14
(1,1382)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	5	0.14
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	5	0.14
(1,1382)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	5	0.14
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	19	0.14
(1,1349)	1:D:31:VAL:HG11	1:D:123:PHE:HE1	18	0.14
(1,1349)	1:D:31:VAL:HG11	1:D:123:PHE:HE2	18	0.14
(1,1349)	1:D:31:VAL:HG12	1:D:123:PHE:HE1	18	0.14
(1,1349)	1:D:31:VAL:HG12	1:D:123:PHE:HE2	18	0.14
(1,1349)	1:D:31:VAL:HG13	1:D:123:PHE:HE1	18	0.14
(1,1349)	1:D:31:VAL:HG13	1:D:123:PHE:HE2	18	0.14
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE1	8	0.14
(1,1305)	1:D:16:ILE:HD11	1:D:109:TYR:HE2	8	0.14
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE1	8	0.14
(1,1305)	1:D:16:ILE:HD12	1:D:109:TYR:HE2	8	0.14
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE1	8	0.14
(1,1305)	1:D:16:ILE:HD13	1:D:109:TYR:HE2	8	0.14
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	4	0.14
(1,1290)	1:D:11:PHE:HE1	1:D:102:CYS:H	11	0.14
(1,1290)	1:D:11:PHE:HE2	1:D:102:CYS:H	11	0.14
(1,1275)	1:C:140:TYR:HE1	1:C:141:LEU:H	5	0.14
(1,1275)	1:C:140:TYR:HE2	1:C:141:LEU:H	5	0.14
(1,1250)	1:C:127:ASN:H	1:C:128:LEU:HD21	1	0.14
(1,1250)	1:C:127:ASN:H	1:C:128:LEU:HD22	1	0.14
(1,1250)	1:C:127:ASN:H	1:C:128:LEU:HD23	1	0.14
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	7	0.14
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	11	0.14
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	1	0.14
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	19	0.14
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	11	0.14
(1,1202)	1:C:109:TYR:H	1:C:110:ALA:H	4	0.14
(1,1202)	1:C:109:TYR:H	1:C:110:ALA:H	8	0.14
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	2	0.14
(1,1197)	1:C:100:ALA:H	1:C:102:CYS:H	19	0.14
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	10	0.14
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	10	0.14
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	10	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	10	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	10	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	10	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	10	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	10	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE1	18	0.14
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE2	18	0.14
(1,1170)	1:C:89:ILE:HD11	1:C:94:MET:HE3	18	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE1	18	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE2	18	0.14
(1,1170)	1:C:89:ILE:HD12	1:C:94:MET:HE3	18	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE1	18	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE2	18	0.14
(1,1170)	1:C:89:ILE:HD13	1:C:94:MET:HE3	18	0.14
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	12	0.14
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	18	0.14
(1,1138)	1:C:77:GLU:H	1:C:78:VAL:H	11	0.14
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE1	3	0.14
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE2	3	0.14
(1,1047)	1:C:56:TYR:HE1	1:C:94:MET:HE3	3	0.14
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE1	3	0.14
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE2	3	0.14
(1,1047)	1:C:56:TYR:HE2	1:C:94:MET:HE3	3	0.14
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	16	0.14
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	5	0.14
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	8	0.14
(1,1020)	1:C:51:LEU:H	1:C:55:VAL:H	16	0.14
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD11	10	0.13
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD12	10	0.13
(1,990)	1:C:42:LEU:HD21	1:C:128:LEU:HD13	10	0.13
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD11	10	0.13
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD12	10	0.13
(1,990)	1:C:42:LEU:HD22	1:C:128:LEU:HD13	10	0.13
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD11	10	0.13
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD12	10	0.13
(1,990)	1:C:42:LEU:HD23	1:C:128:LEU:HD13	10	0.13
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD11	13	0.13
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD12	13	0.13
(1,976)	1:C:40:VAL:HG11	1:C:126:LEU:HD13	13	0.13
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD11	13	0.13
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD12	13	0.13
(1,976)	1:C:40:VAL:HG12	1:C:126:LEU:HD13	13	0.13
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD11	13	0.13
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD12	13	0.13
(1,976)	1:C:40:VAL:HG13	1:C:126:LEU:HD13	13	0.13
(1,969)	1:C:39:GLU:H	1:C:40:VAL:H	19	0.13
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	6	0.13
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD11	14	0.13
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD12	14	0.13
(1,958)	1:C:31:VAL:HG21	1:C:68:LEU:HD13	14	0.13
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD11	14	0.13
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD12	14	0.13
(1,958)	1:C:31:VAL:HG22	1:C:68:LEU:HD13	14	0.13
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD11	14	0.13
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD12	14	0.13
(1,958)	1:C:31:VAL:HG23	1:C:68:LEU:HD13	14	0.13
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	12	0.13
(1,928)	1:C:22:SER:H	1:C:79:GLN:H	15	0.13
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	7	0.13
(1,925)	1:C:22:SER:H	1:C:77:GLU:H	17	0.13
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	15	0.13
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	15	0.13
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	15	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	15	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	15	0.13
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	15	0.13
(1,883)	1:C:12:GLN:H	1:C:85:SER:H	4	0.13
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	9	0.13
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	14	0.13
(1,874)	1:C:10:THR:H	1:C:87:ALA:H	6	0.13
(1,873)	1:C:10:THR:H	1:C:11:PHE:H	16	0.13
(1,868)	1:B:139:ASN:H	1:B:141:LEU:H	17	0.13
(1,855)	1:B:136:LEU:H	1:B:139:ASN:H	4	0.13
(1,841)	1:B:133:PHE:H	1:B:134:ASP:H	1	0.13
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	3	0.13
(1,814)	1:B:116:SER:H	1:B:117:MET:H	19	0.13
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	18	0.13
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	11	0.13
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	18	0.13
(1,785)	1:B:99:GLY:H	1:B:102:CYS:H	12	0.13
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	10	0.13
(1,773)	1:B:96:HIS:H	1:B:99:GLY:H	5	0.13
(1,773)	1:B:96:HIS:H	1:B:99:GLY:H	7	0.13
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	1	0.13
(1,769)	1:B:95:ALA:H	1:B:98:LEU:H	17	0.13
(1,757)	1:B:92:THR:H	1:B:93:GLN:H	11	0.13
(1,751)	1:B:89:ILE:HD11	1:B:90:GLU:H	6	0.13
(1,751)	1:B:89:ILE:HD12	1:B:90:GLU:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:B:89:ILE:HD13	1:B:90:GLU:H	6	0.13
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE1	10	0.13
(1,717)	1:B:74:PHE:HE1	1:B:123:PHE:HE2	10	0.13
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE1	10	0.13
(1,717)	1:B:74:PHE:HE2	1:B:123:PHE:HE2	10	0.13
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE1	4	0.13
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE2	4	0.13
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE1	4	0.13
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE2	4	0.13
(1,702)	1:B:69:GLY:H	1:B:71:GLU:H	3	0.13
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	19	0.13
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	1	0.13
(1,655)	1:B:62:VAL:H	1:B:78:VAL:H	15	0.13
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	9	0.13
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	2	0.13
(1,625)	1:B:58:VAL:H	1:B:84:PHE:H	12	0.13
(1,592)	1:B:51:LEU:H	1:B:52:ALA:H	9	0.13
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	1	0.13
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	14	0.13
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	14	0.13
(1,559)	1:B:43:ASP:H	1:B:63:THR:H	13	0.13
(1,542)	1:B:42:LEU:H	1:B:65:THR:H	6	0.13
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	3	0.13
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	18	0.13
(1,508)	1:B:28:ALA:H	1:B:31:VAL:H	3	0.13
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	2	0.13
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	2	0.13
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	15	0.13
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	12	0.13
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	4	0.13
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	4	0.13
(1,443)	1:B:11:PHE:HD1	1:B:12:GLN:H	14	0.13
(1,443)	1:B:11:PHE:HD2	1:B:12:GLN:H	14	0.13
(1,430)	1:A:139:ASN:H	1:A:140:TYR:H	12	0.13
(1,395)	1:A:122:THR:H	1:B:18:THR:H	15	0.13
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	18	0.13
(1,359)	1:A:110:ALA:H	1:A:112:GLU:H	5	0.13
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	8	0.13
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	13	0.13
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	16	0.13
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	6	0.13
(1,333)	1:A:96:HIS:H	1:A:99:GLY:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD21	5	0.13
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD22	5	0.13
(1,325)	1:A:94:MET:HE1	1:A:98:LEU:HD23	5	0.13
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD21	5	0.13
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD22	5	0.13
(1,325)	1:A:94:MET:HE2	1:A:98:LEU:HD23	5	0.13
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD21	5	0.13
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD22	5	0.13
(1,325)	1:A:94:MET:HE3	1:A:98:LEU:HD23	5	0.13
(1,26)	1:A:14:GLN:H	1:A:84:PHE:H	4	0.13
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	6	0.13
(1,25)	1:A:14:GLN:H	1:A:83:ILE:H	2	0.13
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE1	4	0.13
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE2	4	0.13
(1,1754)	1:D:87:ALA:HB1	2:H:174:MET:HE3	4	0.13
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE1	4	0.13
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE2	4	0.13
(1,1754)	1:D:87:ALA:HB2	2:H:174:MET:HE3	4	0.13
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE1	4	0.13
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE2	4	0.13
(1,1754)	1:D:87:ALA:HB3	2:H:174:MET:HE3	4	0.13
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD21	19	0.13
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD22	19	0.13
(1,1752)	1:D:131:VAL:HG11	2:H:186:LEU:HD23	19	0.13
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD21	19	0.13
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD22	19	0.13
(1,1752)	1:D:131:VAL:HG12	2:H:186:LEU:HD23	19	0.13
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD21	19	0.13
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD22	19	0.13
(1,1752)	1:D:131:VAL:HG13	2:H:186:LEU:HD23	19	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD11	14	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD12	14	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD13	14	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD21	14	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD22	14	0.13
(1,1747)	1:D:94:MET:HE1	2:H:173:LEU:HD23	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD11	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD12	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD13	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD21	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD22	14	0.13
(1,1747)	1:D:94:MET:HE2	2:H:173:LEU:HD23	14	0.13

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE1	14	0.13
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE2	14	0.13
(1,1708)	1:B:87:ALA:HB3	2:F:174:MET:HE3	14	0.13
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	3	0.13
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	3	0.13
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	3	0.13
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	3	0.13
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	3	0.13
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	3	0.13
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	3	0.13
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	3	0.13
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	3	0.13
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE1	4	0.13
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE2	4	0.13
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE3	4	0.13
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE1	4	0.13
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE2	4	0.13
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE3	4	0.13
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE1	4	0.13
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE2	4	0.13
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE3	4	0.13
(1,1696)	1:B:136:LEU:HD11	2:E:207:VAL:HG21	4	0.13
(1,1696)	1:B:136:LEU:HD11	2:E:207:VAL:HG22	4	0.13
(1,1696)	1:B:136:LEU:HD11	2:E:207:VAL:HG23	4	0.13
(1,1696)	1:B:136:LEU:HD12	2:E:207:VAL:HG21	4	0.13
(1,1696)	1:B:136:LEU:HD12	2:E:207:VAL:HG22	4	0.13
(1,1696)	1:B:136:LEU:HD12	2:E:207:VAL:HG23	4	0.13
(1,1696)	1:B:136:LEU:HD13	2:E:207:VAL:HG21	4	0.13
(1,1696)	1:B:136:LEU:HD13	2:E:207:VAL:HG22	4	0.13
(1,1696)	1:B:136:LEU:HD13	2:E:207:VAL:HG23	4	0.13
(1,1693)	1:B:129:ALA:HB1	2:E:204:ILE:HD11	12	0.13
(1,1693)	1:B:129:ALA:HB1	2:E:204:ILE:HD12	12	0.13
(1,1693)	1:B:129:ALA:HB1	2:E:204:ILE:HD13	12	0.13
(1,1693)	1:B:129:ALA:HB2	2:E:204:ILE:HD11	12	0.13
(1,1693)	1:B:129:ALA:HB2	2:E:204:ILE:HD12	12	0.13
(1,1693)	1:B:129:ALA:HB2	2:E:204:ILE:HD13	12	0.13
(1,1693)	1:B:129:ALA:HB3	2:E:204:ILE:HD11	12	0.13
(1,1693)	1:B:129:ALA:HB3	2:E:204:ILE:HD12	12	0.13
(1,1693)	1:B:129:ALA:HB3	2:E:204:ILE:HD13	12	0.13
(1,1692)	1:D:13:ILE:HG21	2:E:204:ILE:HD11	15	0.13
(1,1692)	1:D:13:ILE:HG21	2:E:204:ILE:HD12	15	0.13
(1,1692)	1:D:13:ILE:HG21	2:E:204:ILE:HD13	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:D:13:ILE:HG22	2:E:204:ILE:HD11	15	0.13
(1,1692)	1:D:13:ILE:HG22	2:E:204:ILE:HD12	15	0.13
(1,1692)	1:D:13:ILE:HG22	2:E:204:ILE:HD13	15	0.13
(1,1692)	1:D:13:ILE:HG23	2:E:204:ILE:HD11	15	0.13
(1,1692)	1:D:13:ILE:HG23	2:E:204:ILE:HD12	15	0.13
(1,1692)	1:D:13:ILE:HG23	2:E:204:ILE:HD13	15	0.13
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	10	0.13
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	10	0.13
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	10	0.13
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	10	0.13
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	10	0.13
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	10	0.13
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	10	0.13
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	10	0.13
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	10	0.13
(1,167)	1:A:51:LEU:H	1:A:55:VAL:H	10	0.13
(1,1669)	1:D:138:MET:H	1:D:141:LEU:H	7	0.13
(1,166)	1:A:51:LEU:H	1:A:52:ALA:H	17	0.13
(1,1654)	1:D:135:ALA:H	1:D:137:PHE:H	3	0.13
(1,158)	1:A:48:SER:H	1:A:59:VAL:H	1	0.13
(1,1576)	1:D:96:HIS:H	1:D:98:LEU:H	2	0.13
(1,1576)	1:D:96:HIS:H	1:D:98:LEU:H	13	0.13
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	9	0.13
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	1	0.13
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	3	0.13
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	16	0.13
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	20	0.13
(1,152)	1:A:47:ALA:H	1:A:48:SER:H	20	0.13
(1,150)	1:A:45:ASP:H	1:A:61:ARG:H	1	0.13
(1,1472)	1:D:64:VAL:H	1:D:65:THR:H	2	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB1	5	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB2	5	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB3	5	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB1	5	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB2	5	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB3	5	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB1	5	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB2	5	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB3	5	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB1	19	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB2	19	0.13
(1,1470)	1:D:62:VAL:HG21	1:D:110:ALA:HB3	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB1	19	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB2	19	0.13
(1,1470)	1:D:62:VAL:HG22	1:D:110:ALA:HB3	19	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB1	19	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB2	19	0.13
(1,1470)	1:D:62:VAL:HG23	1:D:110:ALA:HB3	19	0.13
(1,1435)	1:D:56:TYR:HD1	1:D:57:GLU:H	16	0.13
(1,1435)	1:D:56:TYR:HD2	1:D:57:GLU:H	16	0.13
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	3	0.13
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	14	0.13
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	10	0.13
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	12	0.13
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	19	0.13
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	19	0.13
(1,139)	1:A:43:ASP:H	1:A:44:LEU:H	1	0.13
(1,1388)	1:D:44:LEU:HD11	1:D:60:LEU:HD21	3	0.13
(1,1388)	1:D:44:LEU:HD11	1:D:60:LEU:HD22	3	0.13
(1,1388)	1:D:44:LEU:HD11	1:D:60:LEU:HD23	3	0.13
(1,1388)	1:D:44:LEU:HD12	1:D:60:LEU:HD21	3	0.13
(1,1388)	1:D:44:LEU:HD12	1:D:60:LEU:HD22	3	0.13
(1,1388)	1:D:44:LEU:HD12	1:D:60:LEU:HD23	3	0.13
(1,1388)	1:D:44:LEU:HD13	1:D:60:LEU:HD21	3	0.13
(1,1388)	1:D:44:LEU:HD13	1:D:60:LEU:HD22	3	0.13
(1,1388)	1:D:44:LEU:HD13	1:D:60:LEU:HD23	3	0.13
(1,1362)	1:D:36:TRP:HE3	1:D:37:GLN:H	11	0.13
(1,1354)	1:D:32:PHE:H	1:D:34:LYS:H	20	0.13
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	1	0.13
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	18	0.13
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	6	0.13
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	8	0.13
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	4	0.13
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	6	0.13
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	6	0.13
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	6	0.13
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	6	0.13
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	6	0.13
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	6	0.13
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD1	9	0.13
(1,1304)	1:D:16:ILE:HD11	1:D:109:TYR:HD2	9	0.13
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD1	9	0.13
(1,1304)	1:D:16:ILE:HD12	1:D:109:TYR:HD2	9	0.13
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD1	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:D:16:ILE:HD13	1:D:109:TYR:HD2	9	0.13
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	2	0.13
(1,1292)	1:D:12:GLN:H	1:D:85:SER:H	8	0.13
(1,1291)	1:D:12:GLN:H	1:D:13:ILE:H	20	0.13
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	1	0.13
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	1	0.13
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	19	0.13
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	19	0.13
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	5	0.13
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	8	0.13
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	17	0.13
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	20	0.13
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	20	0.13
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	19	0.13
(1,1199)	1:C:101:TYR:H	1:C:102:CYS:H	3	0.13
(1,1199)	1:C:101:TYR:H	1:C:102:CYS:H	14	0.13
(1,1182)	1:C:94:MET:H	1:C:97:CYS:H	11	0.13
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	18	0.13
(1,1164)	1:C:87:ALA:H	1:C:89:ILE:H	14	0.13
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	4	0.13
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	13	0.13
(1,1074)	1:C:62:VAL:H	1:C:78:VAL:H	7	0.13
(1,1066)	1:C:60:LEU:H	1:C:80:GLN:H	20	0.13
(1,104)	1:A:36:TRP:H	1:A:37:GLN:H	12	0.13
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE1	3	0.13
(1,1039)	1:C:55:VAL:H	1:C:56:TYR:HE2	3	0.13
(1,988)	1:C:42:LEU:H	1:C:65:THR:H	10	0.12
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD21	2	0.12
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD22	2	0.12
(1,978)	1:C:40:VAL:HG11	1:C:128:LEU:HD23	2	0.12
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD21	2	0.12
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD22	2	0.12
(1,978)	1:C:40:VAL:HG12	1:C:128:LEU:HD23	2	0.12
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD21	2	0.12
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD22	2	0.12
(1,978)	1:C:40:VAL:HG13	1:C:128:LEU:HD23	2	0.12
(1,963)	1:C:33:GLN:H	1:C:34:LYS:H	8	0.12
(1,957)	1:C:31:VAL:HG21	1:C:36:TRP:HE1	13	0.12
(1,957)	1:C:31:VAL:HG22	1:C:36:TRP:HE1	13	0.12
(1,957)	1:C:31:VAL:HG23	1:C:36:TRP:HE1	13	0.12
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD11	9	0.12
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD12	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:A:31:VAL:HG21	1:A:68:LEU:HD13	9	0.12
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD11	9	0.12
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD12	9	0.12
(1,95)	1:A:31:VAL:HG22	1:A:68:LEU:HD13	9	0.12
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD11	9	0.12
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD12	9	0.12
(1,95)	1:A:31:VAL:HG23	1:A:68:LEU:HD13	9	0.12
(1,945)	1:C:28:ALA:H	1:C:30:HIS:H	20	0.12
(1,941)	1:C:24:GLU:H	1:D:21:ILE:H	1	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	1	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	1	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	1	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	1	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	1	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	1	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	7	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	7	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	7	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	7	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	7	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	7	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	17	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	17	0.12
(1,906)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	17	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	17	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	17	0.12
(1,906)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	17	0.12
(1,882)	1:C:12:GLN:H	1:C:13:ILE:H	11	0.12
(1,872)	1:C:9:MET:H	1:C:89:ILE:H	6	0.12
(1,868)	1:B:139:ASN:H	1:B:141:LEU:H	20	0.12
(1,860)	1:B:137:PHE:H	1:B:139:ASN:H	9	0.12
(1,86)	1:A:30:HIS:H	1:A:32:PHE:H	20	0.12
(1,814)	1:B:116:SER:H	1:B:117:MET:H	7	0.12
(1,814)	1:B:116:SER:H	1:B:117:MET:H	12	0.12
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	4	0.12
(1,793)	1:B:109:TYR:H	1:B:110:ALA:H	16	0.12
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	16	0.12
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	6	0.12
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	7	0.12
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	12	0.12
(1,780)	1:B:98:LEU:H	1:B:101:TYR:H	3	0.12
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:A:24:GLU:H	1:A:75:LEU:H	14	0.12
(1,683)	1:B:66:ALA:H	1:B:73:ALA:H	7	0.12
(1,675)	1:B:64:VAL:HG21	1:B:76:CYS:H	4	0.12
(1,675)	1:B:64:VAL:HG22	1:B:76:CYS:H	4	0.12
(1,675)	1:B:64:VAL:HG23	1:B:76:CYS:H	4	0.12
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD11	8	0.12
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD12	8	0.12
(1,672)	1:B:64:VAL:HG11	1:B:126:LEU:HD13	8	0.12
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD11	8	0.12
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD12	8	0.12
(1,672)	1:B:64:VAL:HG12	1:B:126:LEU:HD13	8	0.12
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD11	8	0.12
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD12	8	0.12
(1,672)	1:B:64:VAL:HG13	1:B:126:LEU:HD13	8	0.12
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	10	0.12
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD11	5	0.12
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD12	5	0.12
(1,617)	1:B:56:TYR:HD1	1:B:86:ILE:HD13	5	0.12
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD11	5	0.12
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD12	5	0.12
(1,617)	1:B:56:TYR:HD2	1:B:86:ILE:HD13	5	0.12
(1,597)	1:B:51:LEU:H	1:B:57:GLU:H	20	0.12
(1,593)	1:B:51:LEU:H	1:B:55:VAL:H	1	0.12
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	19	0.12
(1,578)	1:B:47:ALA:H	1:B:48:SER:H	1	0.12
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	2	0.12
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	6	0.12
(1,562)	1:B:43:ASP:H	1:B:65:THR:H	15	0.12
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD11	18	0.12
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD12	18	0.12
(1,543)	1:B:42:LEU:H	1:B:126:LEU:HD13	18	0.12
(1,538)	1:B:41:LYS:H	1:B:65:THR:H	7	0.12
(1,537)	1:B:41:LYS:H	1:B:64:VAL:HG11	9	0.12
(1,537)	1:B:41:LYS:H	1:B:64:VAL:HG12	9	0.12
(1,537)	1:B:41:LYS:H	1:B:64:VAL:HG13	9	0.12
(1,520)	1:B:34:LYS:H	1:B:35:ASP:H	2	0.12
(1,494)	1:B:23:PHE:HD1	1:B:24:GLU:H	11	0.12
(1,494)	1:B:23:PHE:HD2	1:B:24:GLU:H	11	0.12
(1,487)	1:B:21:ILE:HD11	1:B:79:GLN:H	15	0.12
(1,487)	1:B:21:ILE:HD12	1:B:79:GLN:H	15	0.12
(1,487)	1:B:21:ILE:HD13	1:B:79:GLN:H	15	0.12
(1,482)	1:B:20:ASP:H	1:B:81:GLY:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	10	0.12
(1,478)	1:B:19:LYS:H	1:B:81:GLY:H	11	0.12
(1,463)	1:B:14:GLN:H	1:B:85:SER:H	10	0.12
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	15	0.12
(1,422)	1:A:137:PHE:H	1:A:139:ASN:H	8	0.12
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	4	0.12
(1,369)	1:A:113:CYS:H	1:A:115:THR:H	5	0.12
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	7	0.12
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	17	0.12
(1,350)	1:A:101:TYR:H	1:A:102:CYS:H	4	0.12
(1,345)	1:A:99:GLY:H	1:A:101:TYR:H	2	0.12
(1,345)	1:A:99:GLY:H	1:A:101:TYR:H	15	0.12
(1,339)	1:A:98:LEU:H	1:A:100:ALA:H	7	0.12
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	11	0.12
(1,328)	1:A:95:ALA:H	1:A:98:LEU:H	3	0.12
(1,316)	1:A:92:THR:H	1:A:93:GLN:H	6	0.12
(1,316)	1:A:92:THR:H	1:A:93:GLN:H	14	0.12
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE1	13	0.12
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE2	13	0.12
(1,311)	1:A:89:ILE:HD11	1:A:94:MET:HE3	13	0.12
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE1	13	0.12
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE2	13	0.12
(1,311)	1:A:89:ILE:HD12	1:A:94:MET:HE3	13	0.12
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE1	13	0.12
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE2	13	0.12
(1,311)	1:A:89:ILE:HD13	1:A:94:MET:HE3	13	0.12
(1,3)	1:A:10:THR:H	1:A:11:PHE:H	20	0.12
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	3	0.12
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	10	0.12
(1,261)	1:A:69:GLY:H	1:A:71:GLU:H	6	0.12
(1,256)	1:A:68:LEU:H	1:A:73:ALA:H	17	0.12
(1,252)	1:A:67:SER:H	1:A:73:ALA:H	20	0.12
(1,251)	1:A:67:SER:H	1:A:69:GLY:H	10	0.12
(1,237)	1:A:65:THR:H	1:A:76:CYS:H	2	0.12
(1,217)	1:A:62:VAL:H	1:A:63:THR:H	17	0.12
(1,183)	1:A:55:VAL:H	1:A:56:TYR:H	19	0.12
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	20	0.12
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	20	0.12
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	20	0.12
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	20	0.12
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	20	0.12
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	20	0.12
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	20	0.12
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	20	0.12
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE1	2	0.12
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE2	2	0.12
(1,1725)	1:A:94:MET:HE1	2:G:174:MET:HE3	2	0.12
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE1	2	0.12
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE2	2	0.12
(1,1725)	1:A:94:MET:HE2	2:G:174:MET:HE3	2	0.12
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE1	2	0.12
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE2	2	0.12
(1,1725)	1:A:94:MET:HE3	2:G:174:MET:HE3	2	0.12
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE1	18	0.12
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE2	18	0.12
(1,1720)	1:A:89:ILE:HD11	2:G:174:MET:HE3	18	0.12
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE1	18	0.12
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE2	18	0.12
(1,1720)	1:A:89:ILE:HD12	2:G:174:MET:HE3	18	0.12
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE1	18	0.12
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE2	18	0.12
(1,1720)	1:A:89:ILE:HD13	2:G:174:MET:HE3	18	0.12
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG11	20	0.12
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG12	20	0.12
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG13	20	0.12
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG11	20	0.12
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG12	20	0.12
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG13	20	0.12
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG11	20	0.12
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG12	20	0.12
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG13	20	0.12
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB1	17	0.12
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB2	17	0.12
(1,1711)	1:B:40:VAL:HG21	2:F:189:ALA:HB3	17	0.12
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB1	17	0.12
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB2	17	0.12
(1,1711)	1:B:40:VAL:HG22	2:F:189:ALA:HB3	17	0.12
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB1	17	0.12
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB2	17	0.12
(1,1711)	1:B:40:VAL:HG23	2:F:189:ALA:HB3	17	0.12
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD11	9	0.12
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD12	9	0.12
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD13	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD21	9	0.12
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD22	9	0.12
(1,1709)	1:B:87:ALA:HB1	2:F:173:LEU:HD23	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD11	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD12	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD13	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD21	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD22	9	0.12
(1,1709)	1:B:87:ALA:HB2	2:F:173:LEU:HD23	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD11	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD12	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD13	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD21	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD22	9	0.12
(1,1709)	1:B:87:ALA:HB3	2:F:173:LEU:HD23	9	0.12
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD21	10	0.12
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD22	10	0.12
(1,1707)	1:B:44:LEU:HD11	2:F:186:LEU:HD23	10	0.12
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD21	10	0.12
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD22	10	0.12
(1,1707)	1:B:44:LEU:HD12	2:F:186:LEU:HD23	10	0.12
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD21	10	0.12
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD22	10	0.12
(1,1707)	1:B:44:LEU:HD13	2:F:186:LEU:HD23	10	0.12
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD11	14	0.12
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD12	14	0.12
(1,1705)	1:B:42:LEU:HD21	2:F:187:ILE:HD13	14	0.12
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD11	14	0.12
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD12	14	0.12
(1,1705)	1:B:42:LEU:HD22	2:F:187:ILE:HD13	14	0.12
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD11	14	0.12
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD12	14	0.12
(1,1705)	1:B:42:LEU:HD23	2:F:187:ILE:HD13	14	0.12
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD11	17	0.12
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD12	17	0.12
(1,1703)	1:B:129:ALA:HB1	2:F:187:ILE:HD13	17	0.12
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD11	17	0.12
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD12	17	0.12
(1,1703)	1:B:129:ALA:HB2	2:F:187:ILE:HD13	17	0.12
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD11	17	0.12
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD12	17	0.12
(1,1703)	1:B:129:ALA:HB3	2:F:187:ILE:HD13	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE1	20	0.12
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE2	20	0.12
(1,1698)	1:B:86:ILE:HD11	2:F:174:MET:HE3	20	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE1	20	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE2	20	0.12
(1,1698)	1:B:86:ILE:HD12	2:F:174:MET:HE3	20	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE1	20	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE2	20	0.12
(1,1698)	1:B:86:ILE:HD13	2:F:174:MET:HE3	20	0.12
(1,1694)	1:B:131:VAL:HG11	2:E:207:VAL:HG21	6	0.12
(1,1694)	1:B:131:VAL:HG11	2:E:207:VAL:HG22	6	0.12
(1,1694)	1:B:131:VAL:HG11	2:E:207:VAL:HG23	6	0.12
(1,1694)	1:B:131:VAL:HG12	2:E:207:VAL:HG21	6	0.12
(1,1694)	1:B:131:VAL:HG12	2:E:207:VAL:HG22	6	0.12
(1,1694)	1:B:131:VAL:HG12	2:E:207:VAL:HG23	6	0.12
(1,1694)	1:B:131:VAL:HG13	2:E:207:VAL:HG21	6	0.12
(1,1694)	1:B:131:VAL:HG13	2:E:207:VAL:HG22	6	0.12
(1,1694)	1:B:131:VAL:HG13	2:E:207:VAL:HG23	6	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD11	11	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD12	11	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD13	11	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD21	11	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD22	11	0.12
(1,1686)	1:C:87:ALA:HB1	2:E:173:LEU:HD23	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD11	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD12	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD13	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD21	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD22	11	0.12
(1,1686)	1:C:87:ALA:HB2	2:E:173:LEU:HD23	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD11	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD12	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD13	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD21	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD22	11	0.12
(1,1686)	1:C:87:ALA:HB3	2:E:173:LEU:HD23	11	0.12
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	13	0.12
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	13	0.12
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	13	0.12
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	13	0.12
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	13	0.12
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	13	0.12
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	13	0.12
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	13	0.12
(1,1684)	1:C:44:LEU:HD11	2:E:186:LEU:HD21	9	0.12
(1,1684)	1:C:44:LEU:HD11	2:E:186:LEU:HD22	9	0.12
(1,1684)	1:C:44:LEU:HD11	2:E:186:LEU:HD23	9	0.12
(1,1684)	1:C:44:LEU:HD12	2:E:186:LEU:HD21	9	0.12
(1,1684)	1:C:44:LEU:HD12	2:E:186:LEU:HD22	9	0.12
(1,1684)	1:C:44:LEU:HD12	2:E:186:LEU:HD23	9	0.12
(1,1684)	1:C:44:LEU:HD13	2:E:186:LEU:HD21	9	0.12
(1,1684)	1:C:44:LEU:HD13	2:E:186:LEU:HD22	9	0.12
(1,1684)	1:C:44:LEU:HD13	2:E:186:LEU:HD23	9	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	14	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	14	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	14	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	14	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	14	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	14	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	14	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	14	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	14	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	20	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	20	0.12
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	20	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	20	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	20	0.12
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	20	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	20	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	20	0.12
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	20	0.12
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE1	5	0.12
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE2	5	0.12
(1,1675)	1:C:86:ILE:HD11	2:E:174:MET:HE3	5	0.12
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE1	5	0.12
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE2	5	0.12
(1,1675)	1:C:86:ILE:HD12	2:E:174:MET:HE3	5	0.12
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE1	5	0.12
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE2	5	0.12
(1,1675)	1:C:86:ILE:HD13	2:E:174:MET:HE3	5	0.12
(1,1653)	1:D:135:ALA:H	1:D:136:LEU:H	13	0.12
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE1	19	0.12
(1,164)	1:A:50:GLN:H	1:A:56:TYR:HE2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:D:126:LEU:H	1:D:127:ASN:H	14	0.12
(1,162)	1:A:49:SER:H	1:A:59:VAL:H	13	0.12
(1,1616)	1:D:114:ILE:H	1:D:116:SER:H	5	0.12
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	7	0.12
(1,1585)	1:D:98:LEU:HD11	1:D:99:GLY:H	9	0.12
(1,1585)	1:D:98:LEU:HD12	1:D:99:GLY:H	9	0.12
(1,1585)	1:D:98:LEU:HD13	1:D:99:GLY:H	9	0.12
(1,1571)	1:D:95:ALA:H	1:D:97:CYS:H	4	0.12
(1,1562)	1:D:92:THR:H	1:D:93:GLN:H	10	0.12
(1,1550)	1:D:87:ALA:H	1:D:89:ILE:H	2	0.12
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	12	0.12
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	19	0.12
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	1	0.12
(1,1413)	1:D:51:LEU:H	1:D:55:VAL:H	13	0.12
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	14	0.12
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	15	0.12
(1,1411)	1:D:50:GLN:H	1:D:57:GLU:H	15	0.12
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE1	5	0.12
(1,1410)	1:D:50:GLN:H	1:D:56:TYR:HE2	5	0.12
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD1	1	0.12
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD2	1	0.12
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD1	12	0.12
(1,1409)	1:D:50:GLN:H	1:D:56:TYR:HD2	12	0.12
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	19	0.12
(1,1404)	1:D:49:SER:H	1:D:50:GLN:H	20	0.12
(1,1403)	1:D:48:SER:H	1:D:59:VAL:H	6	0.12
(1,138)	1:A:42:LEU:HD21	1:A:128:LEU:HD21	9	0.12
(1,138)	1:A:42:LEU:HD21	1:A:128:LEU:HD22	9	0.12
(1,138)	1:A:42:LEU:HD21	1:A:128:LEU:HD23	9	0.12
(1,138)	1:A:42:LEU:HD22	1:A:128:LEU:HD21	9	0.12
(1,138)	1:A:42:LEU:HD22	1:A:128:LEU:HD22	9	0.12
(1,138)	1:A:42:LEU:HD22	1:A:128:LEU:HD23	9	0.12
(1,138)	1:A:42:LEU:HD23	1:A:128:LEU:HD21	9	0.12
(1,138)	1:A:42:LEU:HD23	1:A:128:LEU:HD22	9	0.12
(1,138)	1:A:42:LEU:HD23	1:A:128:LEU:HD23	9	0.12
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD21	19	0.12
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD22	19	0.12
(1,1373)	1:D:40:VAL:HG11	1:D:128:LEU:HD23	19	0.12
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD21	19	0.12
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD22	19	0.12
(1,1373)	1:D:40:VAL:HG12	1:D:128:LEU:HD23	19	0.12
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD21	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD22	19	0.12
(1,1373)	1:D:40:VAL:HG13	1:D:128:LEU:HD23	19	0.12
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG11	17	0.12
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG12	17	0.12
(1,1370)	1:D:40:VAL:HG11	1:D:64:VAL:HG13	17	0.12
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG11	17	0.12
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG12	17	0.12
(1,1370)	1:D:40:VAL:HG12	1:D:64:VAL:HG13	17	0.12
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG11	17	0.12
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG12	17	0.12
(1,1370)	1:D:40:VAL:HG13	1:D:64:VAL:HG13	17	0.12
(1,1351)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	19	0.12
(1,1351)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	19	0.12
(1,1351)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	19	0.12
(1,1351)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	19	0.12
(1,1351)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	19	0.12
(1,1351)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	19	0.12
(1,1351)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	19	0.12
(1,1351)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	19	0.12
(1,1351)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	19	0.12
(1,1318)	1:D:20:ASP:H	1:D:79:GLN:H	19	0.12
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	6	0.12
(1,1315)	1:D:19:LYS:H	1:D:80:GLN:H	7	0.12
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD11	8	0.12
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD12	8	0.12
(1,129)	1:A:40:VAL:HG21	1:A:126:LEU:HD13	8	0.12
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD11	8	0.12
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD12	8	0.12
(1,129)	1:A:40:VAL:HG22	1:A:126:LEU:HD13	8	0.12
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD11	8	0.12
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD12	8	0.12
(1,129)	1:A:40:VAL:HG23	1:A:126:LEU:HD13	8	0.12
(1,1285)	1:D:11:PHE:HE1	1:D:12:GLN:H	7	0.12
(1,1285)	1:D:11:PHE:HE2	1:D:12:GLN:H	7	0.12
(1,1263)	1:C:136:LEU:H	1:C:138:MET:H	19	0.12
(1,1255)	1:C:133:PHE:HD1	1:C:134:ASP:H	8	0.12
(1,1255)	1:C:133:PHE:HD2	1:C:134:ASP:H	8	0.12
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	4	0.12
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	4	0.12
(1,124)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	4	0.12
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	4	0.12
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	4	0.12
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	4	0.12
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	4	0.12
(1,124)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	4	0.12
(1,1228)	1:C:117:MET:HE1	1:D:21:ILE:HD11	2	0.12
(1,1228)	1:C:117:MET:HE1	1:D:21:ILE:HD12	2	0.12
(1,1228)	1:C:117:MET:HE1	1:D:21:ILE:HD13	2	0.12
(1,1228)	1:C:117:MET:HE2	1:D:21:ILE:HD11	2	0.12
(1,1228)	1:C:117:MET:HE2	1:D:21:ILE:HD12	2	0.12
(1,1228)	1:C:117:MET:HE2	1:D:21:ILE:HD13	2	0.12
(1,1228)	1:C:117:MET:HE3	1:D:21:ILE:HD11	2	0.12
(1,1228)	1:C:117:MET:HE3	1:D:21:ILE:HD12	2	0.12
(1,1228)	1:C:117:MET:HE3	1:D:21:ILE:HD13	2	0.12
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	12	0.12
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	4	0.12
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	20	0.12
(1,1202)	1:C:109:TYR:H	1:C:110:ALA:H	17	0.12
(1,1175)	1:C:91:GLY:H	1:C:94:MET:H	6	0.12
(1,1166)	1:C:88:GLY:H	1:C:89:ILE:H	5	0.12
(1,1116)	1:A:39:GLU:H	1:A:40:VAL:H	1	0.12
(1,1148)	1:C:79:GLN:H	1:C:80:GLN:H	3	0.12
(1,1148)	1:C:79:GLN:H	1:C:80:GLN:H	9	0.12
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	16	0.12
(1,1091)	1:C:64:VAL:HG21	1:C:114:ILE:HD11	6	0.12
(1,1091)	1:C:64:VAL:HG21	1:C:114:ILE:HD12	6	0.12
(1,1091)	1:C:64:VAL:HG21	1:C:114:ILE:HD13	6	0.12
(1,1091)	1:C:64:VAL:HG22	1:C:114:ILE:HD11	6	0.12
(1,1091)	1:C:64:VAL:HG22	1:C:114:ILE:HD12	6	0.12
(1,1091)	1:C:64:VAL:HG22	1:C:114:ILE:HD13	6	0.12
(1,1091)	1:C:64:VAL:HG23	1:C:114:ILE:HD11	6	0.12
(1,1091)	1:C:64:VAL:HG23	1:C:114:ILE:HD12	6	0.12
(1,1091)	1:C:64:VAL:HG23	1:C:114:ILE:HD13	6	0.12
(1,1074)	1:C:62:VAL:H	1:C:78:VAL:H	13	0.12
(1,1044)	1:C:56:TYR:H	1:C:86:ILE:H	15	0.12
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD1	10	0.12
(1,1038)	1:C:55:VAL:H	1:C:56:TYR:HD2	10	0.12
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	12	0.12
(1,1015)	1:C:49:SER:H	1:C:57:GLU:H	17	0.12
(1,1013)	1:C:48:SER:H	1:C:59:VAL:H	11	0.12
(1,101)	1:A:33:GLN:H	1:A:34:LYS:H	8	0.12
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD11	18	0.11
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD12	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:C:41:LYS:H	1:C:126:LEU:HD13	18	0.11
(1,974)	1:C:40:VAL:HG11	1:C:41:LYS:H	7	0.11
(1,974)	1:C:40:VAL:HG12	1:C:41:LYS:H	7	0.11
(1,974)	1:C:40:VAL:HG13	1:C:41:LYS:H	7	0.11
(1,971)	1:C:39:GLU:H	1:C:68:LEU:H	1	0.11
(1,961)	1:C:32:PHE:H	1:C:34:LYS:H	3	0.11
(1,939)	1:C:24:GLU:H	1:C:75:LEU:H	11	0.11
(1,926)	1:C:22:SER:H	1:C:78:VAL:H	16	0.11
(1,917)	1:C:20:ASP:H	1:C:81:GLY:H	16	0.11
(1,916)	1:C:20:ASP:H	1:C:79:GLN:H	19	0.11
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	3	0.11
(1,865)	1:B:138:MET:H	1:B:141:LEU:H	18	0.11
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	7	0.11
(1,857)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	7	0.11
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	7	0.11
(1,857)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	7	0.11
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	7	0.11
(1,857)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	7	0.11
(1,850)	1:B:135:ALA:H	1:B:138:MET:H	13	0.11
(1,842)	1:B:133:PHE:H	1:B:135:ALA:H	2	0.11
(1,84)	1:A:30:HIS:H	1:A:31:VAL:H	16	0.11
(1,796)	1:B:110:ALA:H	1:B:111:ARG:H	14	0.11
(1,79)	1:A:28:ALA:H	1:A:30:HIS:H	2	0.11
(1,782)	1:B:99:GLY:H	1:B:100:ALA:H	15	0.11
(1,774)	1:B:97:CYS:H	1:B:98:LEU:H	15	0.11
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE1	19	0.11
(1,713)	1:B:74:PHE:HD1	1:B:123:PHE:HE2	19	0.11
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE1	19	0.11
(1,713)	1:B:74:PHE:HD2	1:B:123:PHE:HE2	19	0.11
(1,697)	1:B:68:LEU:H	1:B:71:GLU:H	6	0.11
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	11	0.11
(1,684)	1:B:66:ALA:H	1:B:74:PHE:H	12	0.11
(1,67)	1:A:23:PHE:HD1	1:A:24:GLU:H	1	0.11
(1,67)	1:A:23:PHE:HD2	1:A:24:GLU:H	1	0.11
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	5	0.11
(1,666)	1:B:64:VAL:H	1:B:76:CYS:H	19	0.11
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	2	0.11
(1,654)	1:B:62:VAL:H	1:B:63:THR:H	20	0.11
(1,641)	1:B:60:LEU:H	1:B:80:GLN:H	10	0.11
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD11	19	0.11
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD12	19	0.11
(1,631)	1:B:58:VAL:HG21	1:B:98:LEU:HD13	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD11	19	0.11
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD12	19	0.11
(1,631)	1:B:58:VAL:HG22	1:B:98:LEU:HD13	19	0.11
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD11	19	0.11
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD12	19	0.11
(1,631)	1:B:58:VAL:HG23	1:B:98:LEU:HD13	19	0.11
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	3	0.11
(1,610)	1:B:55:VAL:H	1:B:56:TYR:H	17	0.11
(1,592)	1:B:51:LEU:H	1:B:52:ALA:H	15	0.11
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	13	0.11
(1,588)	1:B:49:SER:H	1:B:59:VAL:H	15	0.11
(1,587)	1:B:49:SER:H	1:B:58:VAL:H	1	0.11
(1,52)	1:A:20:ASP:H	1:A:79:GLN:H	1	0.11
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	7	0.11
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	7	0.11
(1,505)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	7	0.11
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	7	0.11
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	7	0.11
(1,505)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	7	0.11
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	7	0.11
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	7	0.11
(1,505)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	7	0.11
(1,498)	1:B:23:PHE:HE1	1:B:75:LEU:H	17	0.11
(1,498)	1:B:23:PHE:HE2	1:B:75:LEU:H	17	0.11
(1,491)	1:B:22:SER:H	1:B:79:GLN:H	14	0.11
(1,465)	1:B:15:ARG:H	1:B:83:ILE:H	9	0.11
(1,450)	1:B:12:GLN:H	1:B:13:ILE:H	18	0.11
(1,444)	1:B:11:PHE:HE1	1:B:12:GLN:H	6	0.11
(1,444)	1:B:11:PHE:HE2	1:B:12:GLN:H	6	0.11
(1,437)	1:B:9:MET:HE1	1:B:11:PHE:H	5	0.11
(1,437)	1:B:9:MET:HE2	1:B:11:PHE:H	5	0.11
(1,437)	1:B:9:MET:HE3	1:B:11:PHE:H	5	0.11
(1,432)	1:A:140:TYR:H	1:A:141:LEU:H	14	0.11
(1,428)	1:A:138:MET:H	1:A:141:LEU:H	14	0.11
(1,426)	1:A:138:MET:H	1:A:139:ASN:H	20	0.11
(1,420)	1:A:136:LEU:H	1:A:139:ASN:H	9	0.11
(1,416)	1:A:135:ALA:H	1:A:137:PHE:H	13	0.11
(1,397)	1:A:126:LEU:H	1:A:127:ASN:H	11	0.11
(1,395)	1:A:122:THR:H	1:B:18:THR:H	13	0.11
(1,375)	1:A:115:THR:H	1:A:117:MET:H	9	0.11
(1,370)	1:A:113:CYS:H	1:A:116:SER:H	1	0.11
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:A:17:TYR:H	1:A:81:GLY:H	20	0.11
(1,359)	1:A:110:ALA:H	1:A:112:GLU:H	17	0.11
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	3	0.11
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	10	0.11
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	14	0.11
(1,358)	1:A:110:ALA:H	1:A:111:ARG:H	20	0.11
(1,350)	1:A:101:TYR:H	1:A:102:CYS:H	12	0.11
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	2	0.11
(1,341)	1:A:98:LEU:H	1:A:102:CYS:H	20	0.11
(1,338)	1:A:98:LEU:H	1:A:99:GLY:H	7	0.11
(1,335)	1:A:97:CYS:H	1:A:99:GLY:H	13	0.11
(1,334)	1:A:97:CYS:H	1:A:98:LEU:H	15	0.11
(1,318)	1:A:92:THR:H	1:A:95:ALA:H	18	0.11
(1,317)	1:A:92:THR:H	1:A:94:MET:H	2	0.11
(1,317)	1:A:92:THR:H	1:A:94:MET:H	8	0.11
(1,308)	1:A:88:GLY:H	1:A:89:ILE:H	20	0.11
(1,304)	1:A:87:ALA:H	1:A:88:GLY:H	1	0.11
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	12	0.11
(1,265)	1:A:73:ALA:H	1:A:74:PHE:H	19	0.11
(1,255)	1:A:68:LEU:H	1:A:72:THR:H	5	0.11
(1,238)	1:A:66:ALA:H	1:A:67:SER:H	2	0.11
(1,238)	1:A:66:ALA:H	1:A:67:SER:H	4	0.11
(1,209)	1:A:60:LEU:H	1:A:82:GLY:H	16	0.11
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG11	11	0.11
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG12	11	0.11
(1,1763)	1:A:135:ALA:HB1	2:H:207:VAL:HG13	11	0.11
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG11	11	0.11
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG12	11	0.11
(1,1763)	1:A:135:ALA:HB2	2:H:207:VAL:HG13	11	0.11
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG11	11	0.11
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG12	11	0.11
(1,1763)	1:A:135:ALA:HB3	2:H:207:VAL:HG13	11	0.11
(1,1759)	1:D:46:THR:HG21	2:H:177:LEU:HD21	6	0.11
(1,1759)	1:D:46:THR:HG21	2:H:177:LEU:HD22	6	0.11
(1,1759)	1:D:46:THR:HG21	2:H:177:LEU:HD23	6	0.11
(1,1759)	1:D:46:THR:HG22	2:H:177:LEU:HD21	6	0.11
(1,1759)	1:D:46:THR:HG22	2:H:177:LEU:HD22	6	0.11
(1,1759)	1:D:46:THR:HG22	2:H:177:LEU:HD23	6	0.11
(1,1759)	1:D:46:THR:HG23	2:H:177:LEU:HD21	6	0.11
(1,1759)	1:D:46:THR:HG23	2:H:177:LEU:HD22	6	0.11
(1,1759)	1:D:46:THR:HG23	2:H:177:LEU:HD23	6	0.11
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD11	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD12	7	0.11
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD13	7	0.11
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD21	7	0.11
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD22	7	0.11
(1,1755)	1:D:87:ALA:HB1	2:H:173:LEU:HD23	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD11	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD12	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD13	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD21	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD22	7	0.11
(1,1755)	1:D:87:ALA:HB2	2:H:173:LEU:HD23	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD11	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD12	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD13	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD21	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD22	7	0.11
(1,1755)	1:D:87:ALA:HB3	2:H:173:LEU:HD23	7	0.11
(1,1749)	1:D:129:ALA:HB1	2:H:187:ILE:HD11	7	0.11
(1,1749)	1:D:129:ALA:HB1	2:H:187:ILE:HD12	7	0.11
(1,1749)	1:D:129:ALA:HB1	2:H:187:ILE:HD13	7	0.11
(1,1749)	1:D:129:ALA:HB2	2:H:187:ILE:HD11	7	0.11
(1,1749)	1:D:129:ALA:HB2	2:H:187:ILE:HD12	7	0.11
(1,1749)	1:D:129:ALA:HB2	2:H:187:ILE:HD13	7	0.11
(1,1749)	1:D:129:ALA:HB3	2:H:187:ILE:HD11	7	0.11
(1,1749)	1:D:129:ALA:HB3	2:H:187:ILE:HD12	7	0.11
(1,1749)	1:D:129:ALA:HB3	2:H:187:ILE:HD13	7	0.11
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE1	4	0.11
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE2	4	0.11
(1,1748)	1:D:94:MET:HE1	2:H:174:MET:HE3	4	0.11
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE1	4	0.11
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE2	4	0.11
(1,1748)	1:D:94:MET:HE2	2:H:174:MET:HE3	4	0.11
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE1	4	0.11
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE2	4	0.11
(1,1748)	1:D:94:MET:HE3	2:H:174:MET:HE3	4	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	10	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	10	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	10	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	10	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	10	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	10	0.11
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	10	0.11
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	10	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB1	17	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB2	17	0.11
(1,1746)	1:D:89:ILE:HD11	2:H:172:ALA:HB3	17	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB1	17	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB2	17	0.11
(1,1746)	1:D:89:ILE:HD12	2:H:172:ALA:HB3	17	0.11
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB1	17	0.11
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB2	17	0.11
(1,1746)	1:D:89:ILE:HD13	2:H:172:ALA:HB3	17	0.11
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD21	7	0.11
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD22	7	0.11
(1,1745)	1:D:86:ILE:HD11	2:H:173:LEU:HD23	7	0.11
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD21	7	0.11
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD22	7	0.11
(1,1745)	1:D:86:ILE:HD12	2:H:173:LEU:HD23	7	0.11
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD21	7	0.11
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD22	7	0.11
(1,1745)	1:D:86:ILE:HD13	2:H:173:LEU:HD23	7	0.11
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE1	9	0.11
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE2	9	0.11
(1,1743)	1:D:89:ILE:HD11	2:H:174:MET:HE3	9	0.11
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE1	9	0.11
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE2	9	0.11
(1,1743)	1:D:89:ILE:HD12	2:H:174:MET:HE3	9	0.11
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE1	9	0.11
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE2	9	0.11
(1,1743)	1:D:89:ILE:HD13	2:H:174:MET:HE3	9	0.11
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD21	18	0.11
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD22	18	0.11
(1,1729)	1:A:131:VAL:HG11	2:G:186:LEU:HD23	18	0.11
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD21	18	0.11
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD22	18	0.11
(1,1729)	1:A:131:VAL:HG12	2:G:186:LEU:HD23	18	0.11
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD21	18	0.11
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD22	18	0.11
(1,1729)	1:A:131:VAL:HG13	2:G:186:LEU:HD23	18	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD11	16	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD12	16	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD13	16	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD11	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD12	16	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD13	16	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD11	16	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD12	16	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD13	16	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD11	20	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD12	20	0.11
(1,1727)	1:A:128:LEU:HD21	2:G:187:ILE:HD13	20	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD11	20	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD12	20	0.11
(1,1727)	1:A:128:LEU:HD22	2:G:187:ILE:HD13	20	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD11	20	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD12	20	0.11
(1,1727)	1:A:128:LEU:HD23	2:G:187:ILE:HD13	20	0.11
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE1	8	0.11
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE2	8	0.11
(1,1721)	1:A:86:ILE:HD11	2:G:174:MET:HE3	8	0.11
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE1	8	0.11
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE2	8	0.11
(1,1721)	1:A:86:ILE:HD12	2:G:174:MET:HE3	8	0.11
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE1	8	0.11
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE2	8	0.11
(1,1721)	1:A:86:ILE:HD13	2:G:174:MET:HE3	8	0.11
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG11	14	0.11
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG12	14	0.11
(1,1718)	1:C:135:ALA:HB1	2:F:207:VAL:HG13	14	0.11
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG11	14	0.11
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG12	14	0.11
(1,1718)	1:C:135:ALA:HB2	2:F:207:VAL:HG13	14	0.11
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG11	14	0.11
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG12	14	0.11
(1,1718)	1:C:135:ALA:HB3	2:F:207:VAL:HG13	14	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD11	15	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD12	15	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD13	15	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD21	15	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD22	15	0.11
(1,1701)	1:B:94:MET:HE1	2:F:173:LEU:HD23	15	0.11
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD11	15	0.11
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD12	15	0.11
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD13	15	0.11
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD21	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD22	15	0.11
(1,1701)	1:B:94:MET:HE2	2:F:173:LEU:HD23	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD11	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD12	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD13	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD21	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD22	15	0.11
(1,1701)	1:B:94:MET:HE3	2:F:173:LEU:HD23	15	0.11
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB1	18	0.11
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB2	18	0.11
(1,1700)	1:B:89:ILE:HD11	2:F:172:ALA:HB3	18	0.11
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB1	18	0.11
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB2	18	0.11
(1,1700)	1:B:89:ILE:HD12	2:F:172:ALA:HB3	18	0.11
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB1	18	0.11
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB2	18	0.11
(1,1700)	1:B:89:ILE:HD13	2:F:172:ALA:HB3	18	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	3	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	3	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	3	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	3	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	3	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	3	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	3	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	3	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	3	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD21	13	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD22	13	0.11
(1,1699)	1:B:86:ILE:HD11	2:F:173:LEU:HD23	13	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD21	13	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD22	13	0.11
(1,1699)	1:B:86:ILE:HD12	2:F:173:LEU:HD23	13	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD21	13	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD22	13	0.11
(1,1699)	1:B:86:ILE:HD13	2:F:173:LEU:HD23	13	0.11
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG11	16	0.11
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG12	16	0.11
(1,1695)	1:B:135:ALA:HB1	2:E:207:VAL:HG13	16	0.11
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG11	16	0.11
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG12	16	0.11
(1,1695)	1:B:135:ALA:HB2	2:E:207:VAL:HG13	16	0.11
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG11	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG12	16	0.11
(1,1695)	1:B:135:ALA:HB3	2:E:207:VAL:HG13	16	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	2	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	2	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	2	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	2	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	2	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	2	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	2	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	2	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	2	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE1	14	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE2	14	0.11
(1,1685)	1:C:87:ALA:HB1	2:E:174:MET:HE3	14	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE1	14	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE2	14	0.11
(1,1685)	1:C:87:ALA:HB2	2:E:174:MET:HE3	14	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE1	14	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE2	14	0.11
(1,1685)	1:C:87:ALA:HB3	2:E:174:MET:HE3	14	0.11
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD21	18	0.11
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD22	18	0.11
(1,1683)	1:C:131:VAL:HG11	2:E:186:LEU:HD23	18	0.11
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD21	18	0.11
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD22	18	0.11
(1,1683)	1:C:131:VAL:HG12	2:E:186:LEU:HD23	18	0.11
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD21	18	0.11
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD22	18	0.11
(1,1683)	1:C:131:VAL:HG13	2:E:186:LEU:HD23	18	0.11
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD11	18	0.11
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD12	18	0.11
(1,1681)	1:C:128:LEU:HD21	2:E:187:ILE:HD13	18	0.11
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD11	18	0.11
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD12	18	0.11
(1,1681)	1:C:128:LEU:HD22	2:E:187:ILE:HD13	18	0.11
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD11	18	0.11
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD12	18	0.11
(1,1681)	1:C:128:LEU:HD23	2:E:187:ILE:HD13	18	0.11
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB1	2	0.11
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB2	2	0.11
(1,1677)	1:C:89:ILE:HD11	2:E:172:ALA:HB3	2	0.11
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB1	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB2	2	0.11
(1,1677)	1:C:89:ILE:HD12	2:E:172:ALA:HB3	2	0.11
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB1	2	0.11
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB2	2	0.11
(1,1677)	1:C:89:ILE:HD13	2:E:172:ALA:HB3	2	0.11
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE1	9	0.11
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE2	9	0.11
(1,1674)	1:C:89:ILE:HD11	2:E:174:MET:HE3	9	0.11
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE1	9	0.11
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE2	9	0.11
(1,1674)	1:C:89:ILE:HD12	2:E:174:MET:HE3	9	0.11
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE1	9	0.11
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE2	9	0.11
(1,1674)	1:C:89:ILE:HD13	2:E:174:MET:HE3	9	0.11
(1,1648)	1:D:133:PHE:H	1:D:136:LEU:H	6	0.11
(1,1636)	1:D:121:GLY:H	1:D:123:PHE:H	9	0.11
(1,1605)	1:D:110:ALA:H	1:D:112:GLU:H	12	0.11
(1,1587)	1:D:99:GLY:H	1:D:100:ALA:H	8	0.11
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	7	0.11
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	8	0.11
(1,1563)	1:D:92:THR:H	1:D:94:MET:H	17	0.11
(1,1562)	1:D:92:THR:H	1:D:93:GLN:H	3	0.11
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	10	0.11
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	11	0.11
(1,1549)	1:D:87:ALA:H	1:D:88:GLY:H	18	0.11
(1,1533)	1:D:79:GLN:H	1:D:80:GLN:H	18	0.11
(1,1503)	1:D:70:GLU:H	1:D:71:GLU:H	16	0.11
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE1	5	0.11
(1,1485)	1:D:66:ALA:H	1:D:74:PHE:HE2	5	0.11
(1,1430)	1:D:55:VAL:H	1:D:56:TYR:H	4	0.11
(1,1413)	1:D:51:LEU:H	1:D:55:VAL:H	2	0.11
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	5	0.11
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	9	0.11
(1,1412)	1:D:51:LEU:H	1:D:52:ALA:H	18	0.11
(1,1400)	1:D:47:ALA:HB1	1:D:59:VAL:H	17	0.11
(1,1400)	1:D:47:ALA:HB2	1:D:59:VAL:H	17	0.11
(1,1400)	1:D:47:ALA:HB3	1:D:59:VAL:H	17	0.11
(1,1391)	1:D:45:ASP:H	1:D:46:THR:H	3	0.11
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	7	0.11
(1,1383)	1:D:43:ASP:H	1:D:44:LEU:H	9	0.11
(1,1378)	1:D:41:LYS:H	1:D:65:THR:H	7	0.11
(1,1365)	1:D:39:GLU:H	1:D:67:SER:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD11	1	0.11
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD12	1	0.11
(1,135)	1:A:42:LEU:HD11	1:A:128:LEU:HD13	1	0.11
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD11	1	0.11
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD12	1	0.11
(1,135)	1:A:42:LEU:HD12	1:A:128:LEU:HD13	1	0.11
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD11	1	0.11
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD12	1	0.11
(1,135)	1:A:42:LEU:HD13	1:A:128:LEU:HD13	1	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	2	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	2	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	2	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	2	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	2	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	2	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	2	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	2	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	2	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	4	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	4	0.11
(1,1347)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	4	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	4	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	4	0.11
(1,1347)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	4	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	4	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	4	0.11
(1,1347)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	4	0.11
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	7	0.11
(1,1338)	1:D:28:ALA:H	1:D:30:HIS:H	11	0.11
(1,1333)	1:D:24:GLU:H	1:D:75:LEU:H	17	0.11
(1,1297)	1:D:14:GLN:H	1:D:83:ILE:H	17	0.11
(1,1291)	1:D:12:GLN:H	1:D:13:ILE:H	8	0.11
(1,1291)	1:D:12:GLN:H	1:D:13:ILE:H	19	0.11
(1,1274)	1:C:140:TYR:HD1	1:C:141:LEU:H	14	0.11
(1,1274)	1:C:140:TYR:HD2	1:C:141:LEU:H	14	0.11
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	8	0.11
(1,1254)	1:C:133:PHE:H	1:C:135:ALA:H	12	0.11
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD21	9	0.11
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD22	9	0.11
(1,1238)	1:C:118:VAL:HG21	1:C:126:LEU:HD23	9	0.11
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD21	9	0.11
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD22	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:C:118:VAL:HG22	1:C:126:LEU:HD23	9	0.11
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD21	9	0.11
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD22	9	0.11
(1,1238)	1:C:118:VAL:HG23	1:C:126:LEU:HD23	9	0.11
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	5	0.11
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	19	0.11
(1,1224)	1:C:116:SER:H	1:C:118:VAL:H	20	0.11
(1,1223)	1:C:116:SER:H	1:C:117:MET:H	18	0.11
(1,1205)	1:C:110:ALA:H	1:C:111:ARG:H	13	0.11
(1,1199)	1:C:101:TYR:H	1:C:102:CYS:H	5	0.11
(1,1196)	1:C:100:ALA:H	1:C:101:TYR:H	8	0.11
(1,1188)	1:C:96:HIS:H	1:C:98:LEU:H	5	0.11
(1,1181)	1:C:94:MET:H	1:C:96:HIS:H	13	0.11
(1,118)	1:A:39:GLU:H	1:A:67:SER:H	19	0.11
(1,1173)	1:C:90:GLU:H	1:C:94:MET:H	10	0.11
(1,1148)	1:C:79:GLN:H	1:C:80:GLN:H	20	0.11
(1,1109)	1:C:68:LEU:H	1:C:71:GLU:H	9	0.11
(1,1107)	1:C:68:LEU:H	1:C:69:GLY:H	10	0.11
(1,1105)	1:C:67:SER:H	1:C:69:GLY:H	1	0.11
(1,1094)	1:C:66:ALA:H	1:C:67:SER:H	16	0.11
(1,1074)	1:C:62:VAL:H	1:C:78:VAL:H	17	0.11
(1,1067)	1:C:60:LEU:H	1:C:81:GLY:H	3	0.11
(1,1051)	1:C:58:VAL:H	1:C:84:PHE:H	8	0.11
(1,101)	1:A:33:GLN:H	1:A:34:LYS:H	13	0.11
(1,1009)	1:C:47:ALA:H	1:C:61:ARG:H	16	0.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD21	13	0.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD22	13	0.11
(1,1002)	1:C:45:ASP:H	1:C:60:LEU:HD23	13	0.11

10 Dihedral-angle violation analysis [i](#)

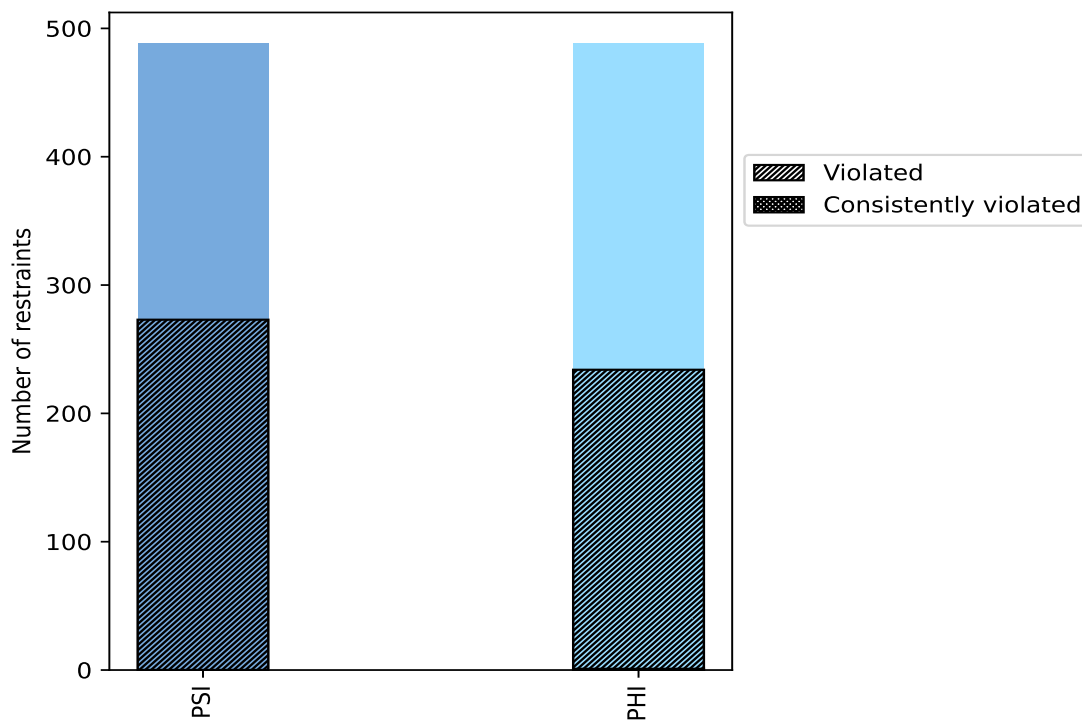
10.1 Summary of dihedral-angle violations [i](#)

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	273	55.9	28.0	0	0.0	0.0
PHI	488	50.0	234	48.0	24.0	1	0.2	0.1
Total	976	100.0	507	51.9	51.9	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 [i](#)



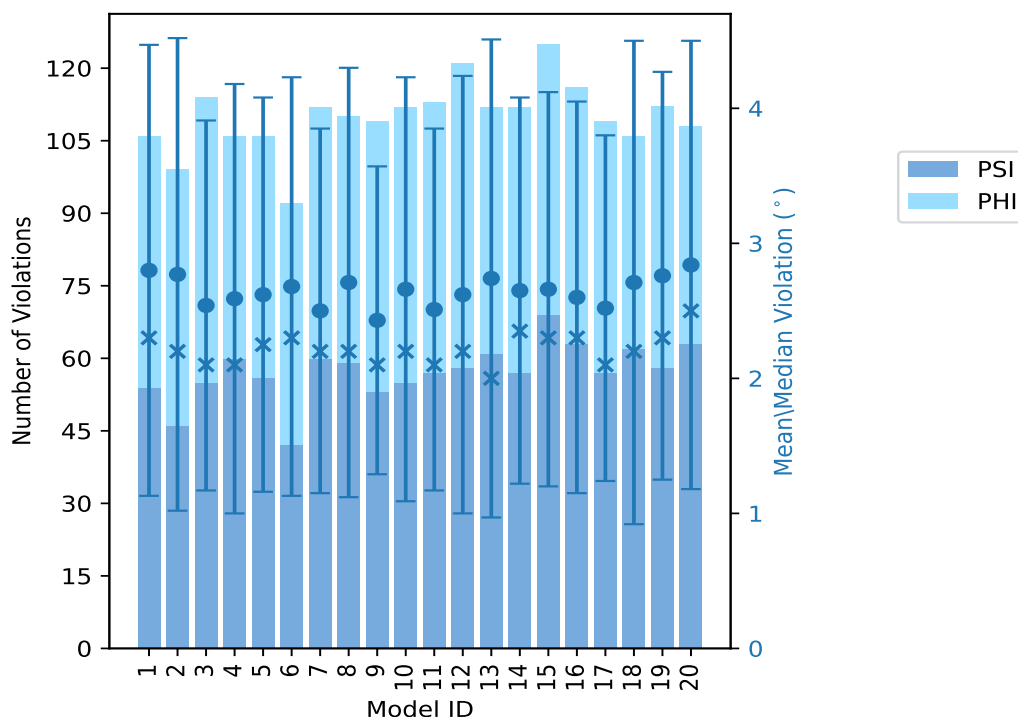
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	52	106	2.8	9.9	1.67	2.3
2	46	53	99	2.77	12.7	1.75	2.2
3	55	59	114	2.54	7.0	1.37	2.1
4	60	46	106	2.59	8.7	1.59	2.1
5	56	50	106	2.62	9.4	1.46	2.25
6	42	50	92	2.68	9.7	1.55	2.3
7	60	52	112	2.5	8.4	1.35	2.2
8	59	51	110	2.71	10.0	1.59	2.2
9	53	56	109	2.43	6.2	1.14	2.1
10	55	57	112	2.66	9.1	1.57	2.2
11	57	56	113	2.51	7.1	1.34	2.1
12	58	63	121	2.62	13.0	1.62	2.2
13	61	51	112	2.74	8.7	1.77	2.0
14	57	55	112	2.65	9.7	1.43	2.35
15	69	56	125	2.66	8.8	1.46	2.3
16	63	53	116	2.6	10.5	1.45	2.3
17	57	52	109	2.52	6.5	1.28	2.1
18	62	44	106	2.71	11.4	1.79	2.2
19	58	54	112	2.76	11.3	1.51	2.3
20	63	45	108	2.84	9.5	1.66	2.5

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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 [i](#)

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	%
70	58	128	1	5.0
42	40	82	2	10.0
39	35	74	3	15.0
28	21	49	4	20.0
21	17	38	5	25.0
15	9	24	6	30.0
15	6	21	7	35.0
10	9	19	8	40.0
9	6	15	9	45.0
4	7	11	10	50.0
5	7	12	11	55.0

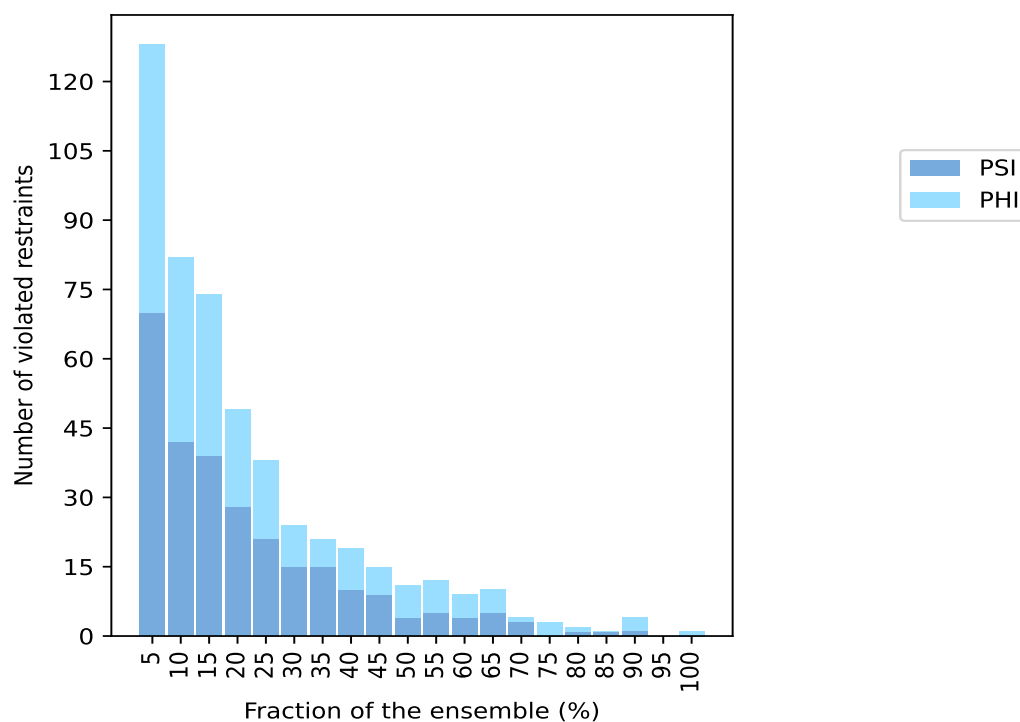
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
4	5	9	12	60.0
5	5	10	13	65.0
3	1	4	14	70.0
0	3	3	15	75.0
1	1	2	16	80.0
1	0	1	17	85.0
1	3	4	18	90.0
0	0	0	19	95.0
0	1	1	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)

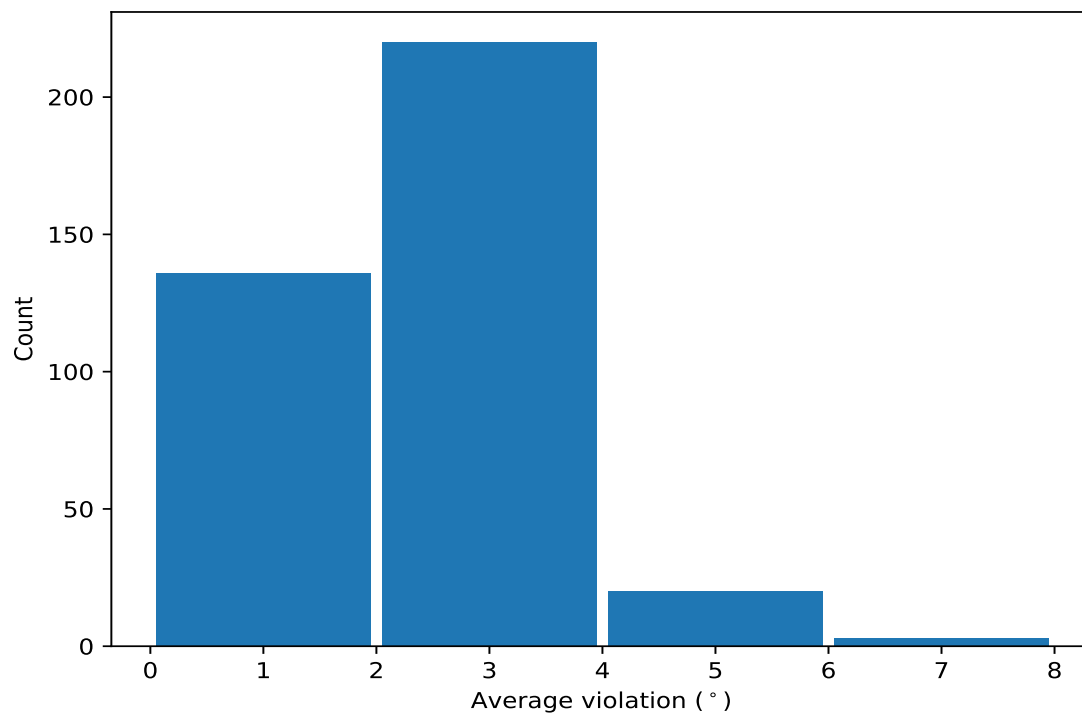


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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 [i](#)

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:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	20	7.62	2.47	8.15
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	18	6.07	2.91	5.85
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	18	3.65	1.57	3.25
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	18	3.43	1.26	3.35
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	18	2.63	0.88	2.55
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	17	3.31	1.86	2.9
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	16	3.0	1.25	3.25
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	16	2.98	1.18	2.7
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	15	4.43	1.99	4.2
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	15	2.83	0.81	2.8
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	15	2.65	0.99	2.5
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	14	5.49	2.29	5.35
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	14	3.9	1.65	3.6
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	14	3.16	0.93	3.0
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	14	2.58	0.95	2.55
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	13	4.62	1.89	4.9
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	13	3.99	1.34	4.0
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	13	3.68	2.38	3.0
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	13	3.39	1.29	3.4
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	13	3.38	2.08	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	13	3.34	1.46	3.1
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	13	2.46	0.82	2.3
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	13	2.27	0.54	2.2
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	13	2.25	0.89	2.0
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	13	1.93	0.6	1.7
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	12	4.01	1.8	4.35
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	12	3.38	1.97	2.85
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	12	2.99	1.47	2.65
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	12	2.56	1.4	2.2
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	12	2.55	1.03	2.2
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	12	2.5	1.01	2.5
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	12	2.23	0.64	2.35
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	12	2.22	1.02	1.8
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	12	2.16	0.75	2.05
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	11	6.33	2.05	5.8
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	11	4.55	1.29	4.7
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	11	4.36	2.39	4.3
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	11	3.64	1.31	3.8
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	11	2.8	1.23	2.4
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	11	2.66	0.77	2.5
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	11	2.57	0.84	2.6
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	11	2.56	1.63	2.0
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	11	2.39	1.03	2.5
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	11	2.28	1.02	1.9
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	11	2.24	0.75	2.2
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	11	1.98	0.75	1.8
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	10	3.88	2.19	3.05
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	10	3.16	1.11	3.2
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	10	2.79	1.15	2.7
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	10	2.66	1.08	2.35
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	10	2.54	0.32	2.55
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	10	2.44	0.71	2.6
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	10	2.43	0.62	2.25
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	10	2.31	0.72	2.1
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	10	2.26	0.71	2.45
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	10	2.22	0.81	1.9
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	10	2.0	0.59	1.8
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	9	4.51	2.09	4.5
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	9	4.16	2.01	4.4
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	9	3.44	1.19	3.1
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	9	3.16	2.12	2.4
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	9	3.1	1.66	3.2
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	9	3.06	1.46	2.8
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	9	2.79	1.43	2.2
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	9	2.44	0.82	2.3
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	9	2.32	0.59	2.3
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	9	2.23	0.97	2.1
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	9	2.17	0.47	2.4
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	9	2.01	0.78	1.9
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	9	1.81	0.66	1.5
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	9	1.69	0.63	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	9	1.69	0.77	1.4
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	8	4.04	1.82	4.2
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	8	3.61	1.71	3.45
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	8	3.56	0.97	3.85
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	8	3.38	1.28	3.4
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	8	3.29	1.82	3.05
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	8	3.21	1.04	3.2
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	8	3.16	0.87	3.25
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	8	3.1	1.36	2.95
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	8	2.98	1.7	2.45
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	8	2.94	1.49	2.2
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	8	2.91	1.13	2.55
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	8	2.84	1.45	2.9
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	8	2.74	0.84	2.6
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	8	2.55	1.05	2.45
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	8	2.39	0.51	2.45
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	8	2.29	0.84	2.25
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	8	2.24	0.78	2.25
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	8	1.98	0.52	1.85
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	8	1.9	0.76	1.8
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	7	4.07	1.35	3.7
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	7	4.07	2.91	2.1
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	7	3.67	2.45	2.8
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	7	3.23	1.43	2.9
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	7	2.87	0.98	3.1
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	7	2.74	0.95	2.8
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	7	2.5	0.76	2.3
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	7	2.47	0.98	2.4
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	7	2.37	0.95	2.3
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	7	2.33	0.72	2.4
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	7	2.33	1.52	1.7
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	7	2.3	1.18	2.0
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	7	2.27	0.84	2.1
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	7	2.24	0.92	2.0
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	7	2.2	0.66	2.2
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	7	2.1	0.65	2.0
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	7	1.97	0.75	1.7
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	7	1.94	0.66	1.7
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	7	1.76	0.56	1.6
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	7	1.63	0.32	1.6
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	7	1.57	0.53	1.4
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	6	4.85	1.03	5.25
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	6	3.82	1.2	3.95
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	6	3.2	1.0	3.3
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	6	2.92	1.01	3.05
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	6	2.75	1.12	2.5
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	6	2.65	0.82	2.5
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	6	2.53	1.04	2.5
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	6	2.48	0.91	2.75
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	6	2.47	0.93	2.35
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	6	2.42	1.04	2.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	6	2.37	0.54	2.15
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	6	2.33	0.7	2.55
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	6	2.22	1.27	1.8
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	6	2.13	0.87	2.05
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	6	2.1	0.41	2.15
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	6	2.0	0.29	1.95
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	6	1.98	0.82	1.6
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	6	1.97	0.38	1.85
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	6	1.93	0.8	1.7
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	6	1.85	0.47	1.7
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	6	1.83	0.5	1.75
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	6	1.73	0.53	1.55
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	6	1.68	0.4	1.55
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	6	1.52	0.34	1.45
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	5	4.6	1.49	4.0
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	5	3.5	1.56	3.7
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	5	3.34	0.88	3.3
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	5	3.1	1.68	3.5
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	5	3.06	1.25	2.4
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	5	3.04	0.22	2.9
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	5	2.8	1.01	2.7
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	5	2.62	1.1	3.1
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	5	2.58	0.87	2.8
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	5	2.56	1.3	2.1
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	5	2.52	0.82	2.1
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	5	2.46	0.9	2.8
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	5	2.44	0.88	2.5
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	5	2.4	1.38	1.9
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	5	2.4	1.28	2.2
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	5	2.34	0.91	1.9
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	5	2.3	0.33	2.5
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	5	2.24	0.97	2.5
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	5	2.16	0.68	1.9
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	5	2.12	0.84	1.6
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	5	2.12	0.86	1.6
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	5	2.08	0.78	2.4
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	5	2.02	0.67	2.3
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	5	2.02	0.52	1.8
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	5	2.0	0.77	1.9
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	5	1.98	0.34	1.9
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	5	1.98	0.52	2.3
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	5	1.96	0.55	2.0
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	5	1.88	0.83	1.5
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	5	1.84	0.28	1.9
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	5	1.78	0.34	1.9
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	5	1.78	0.47	2.1
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	5	1.78	0.82	1.2
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	5	1.52	0.43	1.4
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	5	1.46	0.26	1.4
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	5	1.44	0.41	1.3
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	5	1.4	0.17	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	5	1.28	0.21	1.2
(1,963)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	4	4.78	1.85	4.75
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	4	3.75	1.66	3.6
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	4	3.2	1.67	3.35
(1,497)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	4	3.15	1.37	3.05
(1,871)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	4	3.1	0.72	2.8
(1,405)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	4	3.05	1.05	2.85
(1,957)	1:D:134:ASP:N	1:D:134:ASP:CA	1:D:134:ASP:C	1:D:135:ALA:N	4	3.02	0.63	2.7
(1,729)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	4	2.97	1.31	2.95
(1,700)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	4	2.92	1.95	2.3
(1,401)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	4	2.9	1.22	2.65
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	4	2.68	1.3	2.6
(1,555)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	4	2.68	1.26	2.55
(1,557)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	4	2.68	0.65	2.35
(1,606)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	4	2.6	1.04	2.8
(1,717)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	4	2.58	0.83	2.45
(1,548)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	4	2.55	1.19	2.2
(1,355)	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	1:B:64:VAL:N	4	2.45	0.79	2.05
(1,859)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	4	2.43	0.84	2.45
(1,529)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	4	2.42	0.51	2.55
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	4	2.4	1.18	2.05
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	4	2.38	0.47	2.45
(1,475)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	4	2.3	0.58	2.4
(1,865)	1:D:84:PHE:N	1:D:84:PHE:CA	1:D:84:PHE:C	1:D:85:SER:N	4	2.3	0.85	2.45
(1,530)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	4	2.22	0.6	2.2
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	4	2.22	0.57	2.35
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	4	2.15	1.07	1.9
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	4	2.12	0.6	2.4
(1,730)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	4	2.05	0.45	1.9
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	4	2.0	0.39	2.1
(1,384)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	4	2.0	0.7	1.85
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	4	1.98	0.53	2.05
(1,501)	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	1:C:11:PHE:N	4	1.95	0.56	1.8
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	4	1.88	0.36	1.7
(1,556)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	4	1.88	0.33	1.8
(1,867)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	4	1.88	0.28	1.85
(1,403)	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1:B:88:GLY:N	4	1.8	0.67	1.6
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	4	1.78	0.59	1.65
(1,360)	1:B:65:THR:C	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	4	1.75	0.84	1.35
(1,754)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	4	1.75	0.6	1.6
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	4	1.72	0.52	1.6
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	4	1.7	0.49	1.65
(1,492)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	4	1.7	0.37	1.6
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	4	1.68	0.47	1.6
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	4	1.6	0.32	1.65
(1,972)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	4	1.6	0.32	1.6
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	4	1.5	0.27	1.45
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	4	1.45	0.17	1.5
(1,935)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	4	1.42	0.13	1.5
(1,498)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	4	1.35	0.27	1.25
(1,645)	1:C:91:GLY:N	1:C:91:GLY:CA	1:C:91:GLY:C	1:C:92:THR:N	3	4.17	1.11	4.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	3	4.0	1.82	3.6
(1,943)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	3	3.8	0.86	3.7
(1,639)	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	1:C:86:ILE:N	3	3.33	0.4	3.1
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	3	3.2	1.64	3.0
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	3	3.03	0.29	3.0
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	3	2.93	2.32	1.5
(1,553)	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1:C:40:VAL:N	3	2.93	1.01	2.6
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	3	2.87	0.52	2.6
(1,706)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	3	2.8	0.91	3.0
(1,751)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	3	2.67	1.2	2.9
(1,596)	1:C:63:THR:C	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	3	2.57	0.54	2.9
(1,626)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	3	2.5	0.88	2.8
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	3	2.4	0.8	2.1
(1,218)	1:A:122:THR:C	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	3	2.4	1.06	2.4
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	3	2.4	1.08	1.9
(1,511)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	3	2.37	0.59	2.0
(1,571)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	3	2.37	0.74	2.0
(1,118)	1:A:70:GLU:C	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	3	2.33	1.4	1.5
(1,701)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	3	2.33	0.82	2.2
(1,898)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	3	2.3	0.24	2.3
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	3	2.27	1.44	1.3
(1,877)	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	1:D:91:GLY:N	3	2.27	0.52	2.0
(1,971)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	3	2.23	0.94	2.2
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	3	2.2	0.64	1.8
(1,351)	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	1:B:62:VAL:N	3	2.2	1.06	1.5
(1,354)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	3	2.17	0.53	2.2
(1,875)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:GLU:N	3	2.17	0.49	2.1
(1,323)	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	1:B:48:SER:N	3	2.13	0.68	1.7
(1,559)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	3	2.13	0.12	2.1
(1,564)	1:C:46:THR:C	1:C:47:ALA:N	1:C:47:ALA:CA	1:C:47:ALA:C	3	2.13	0.31	2.3
(1,325)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	3	2.1	0.51	2.3
(1,151)	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	1:A:88:GLY:N	3	2.07	0.49	2.0
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	3	2.07	0.09	2.0
(1,622)	1:C:76:CYS:C	1:C:77:GLU:N	1:C:77:GLU:CA	1:C:77:GLU:C	3	2.07	1.02	1.5
(1,782)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	3	2.07	0.26	2.2
(1,407)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	3	2.07	0.45	2.1
(1,822)	1:D:62:VAL:C	1:D:63:THR:N	1:D:63:THR:CA	1:D:63:THR:C	3	2.03	0.71	1.8
(1,502)	1:C:10:THR:C	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	3	2.0	0.57	2.0
(1,595)	1:C:63:THR:N	1:C:63:THR:CA	1:C:63:THR:C	1:C:64:VAL:N	3	1.93	0.9	1.4
(1,29)	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	1:A:24:GLU:N	3	1.93	0.48	1.7
(1,322)	1:B:46:THR:C	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	3	1.93	0.66	1.8
(1,973)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	3	1.93	0.69	1.9
(1,895)	1:D:99:GLY:N	1:D:99:GLY:CA	1:D:99:GLY:C	1:D:100:ALA:N	3	1.9	1.06	1.2
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	3	1.9	0.65	1.9
(1,866)	1:D:84:PHE:C	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	3	1.87	0.17	1.8
(1,642)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	3	1.87	0.42	2.0
(1,227)	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	1:A:129:ALA:N	3	1.83	0.45	1.8
(1,592)	1:C:61:ARG:C	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	3	1.83	0.9	1.3
(1,749)	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	1:D:24:GLU:N	3	1.83	0.48	1.6
(1,941)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	3	1.83	0.62	1.5
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	3	1.77	0.62	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,474)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	3	1.77	0.33	1.7
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	3	1.7	0.54	1.6
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	3	1.7	0.14	1.8
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	3	1.63	0.5	1.5
(1,327)	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	1:B:50:GLN:N	3	1.63	0.56	1.4
(1,525)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	3	1.63	0.41	1.7
(1,718)	1:C:138:MET:C	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	3	1.63	0.31	1.8
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	3	1.6	0.28	1.8
(1,410)	1:B:90:GLU:C	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	3	1.6	0.28	1.4
(1,326)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	3	1.53	0.4	1.3
(1,163)	1:A:93:GLN:N	1:A:93:GLN:CA	1:A:93:GLN:C	1:A:94:MET:N	3	1.53	0.29	1.5
(1,247)	1:A:139:ASN:N	1:A:139:ASN:CA	1:A:139:ASN:C	1:A:140:TYR:N	3	1.53	0.33	1.6
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	3	1.47	0.17	1.4
(1,390)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	3	1.47	0.24	1.3
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	3	1.43	0.21	1.4
(1,148)	1:A:85:SER:C	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	3	1.4	0.22	1.5
(1,389)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	3	1.4	0.16	1.4
(1,551)	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	1:C:38:PRO:N	3	1.4	0.14	1.5
(1,808)	1:D:55:VAL:C	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	3	1.4	0.14	1.5
(1,619)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	3	1.33	0.17	1.4
(1,856)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	3	1.3	0.22	1.2
(1,947)	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	1:D:129:ALA:N	3	1.27	0.17	1.2
(1,232)	1:A:131:VAL:C	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	2	5.8	0.8	5.8
(1,252)	1:A:141:LEU:C	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	2	4.5	2.5	4.5
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	2	4.15	0.75	4.15
(1,217)	1:A:122:THR:N	1:A:122:THR:CA	1:A:122:THR:C	1:A:123:PHE:N	2	4.05	0.15	4.05
(1,243)	1:A:137:PHE:N	1:A:137:PHE:CA	1:A:137:PHE:C	1:A:138:MET:N	2	3.45	2.05	3.45
(1,215)	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	1:A:122:THR:N	2	3.35	0.75	3.35
(1,779)	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	1:D:42:LEU:N	2	3.15	0.65	3.15
(1,868)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	2	3.05	1.25	3.05
(1,137)	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	1:A:81:GLY:N	2	2.9	0.1	2.9
(1,257)	1:B:10:THR:N	1:B:10:THR:CA	1:B:10:THR:C	1:B:11:PHE:N	2	2.8	0.6	2.8
(1,735)	1:D:15:ARG:N	1:D:15:ARG:CA	1:D:15:ARG:C	1:D:16:ILE:N	2	2.75	1.35	2.75
(1,549)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	2	2.7	0.9	2.7
(1,391)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	2	2.65	1.35	2.65
(1,620)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	2	2.6	0.5	2.6
(1,493)	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	1:B:140:TYR:N	2	2.6	1.2	2.6
(1,49)	1:A:35:ASP:N	1:A:35:ASP:CA	1:A:35:ASP:C	1:A:36:TRP:N	2	2.55	0.55	2.55
(1,91)	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	1:A:58:VAL:N	2	2.5	0.8	2.5
(1,399)	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	1:B:86:ILE:N	2	2.5	0.8	2.5
(1,724)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	2	2.5	1.1	2.5
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	2	2.45	0.35	2.45
(1,411)	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	1:B:92:THR:N	2	2.45	0.25	2.45
(1,9)	1:A:13:ILE:N	1:A:13:ILE:CA	1:A:13:ILE:C	1:A:14:GLN:N	2	2.4	1.1	2.4
(1,455)	1:B:115:THR:N	1:B:115:THR:CA	1:B:115:THR:C	1:B:116:SER:N	2	2.35	1.15	2.35
(1,507)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	2	2.25	0.45	2.25
(1,568)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	2	2.25	1.15	2.25
(1,298)	1:B:32:PHE:C	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	2	2.2	1.0	2.2
(1,319)	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	1:B:46:THR:N	2	2.2	1.1	2.2
(1,630)	1:C:80:GLN:C	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	2	2.15	0.35	2.15
(1,854)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	2	2.15	0.45	2.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,329)	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	1:B:51:LEU:N	2	2.1	0.9	2.1
(1,357)	1:B:64:VAL:N	1:B:64:VAL:CA	1:B:64:VAL:C	1:B:65:THR:N	2	2.1	0.3	2.1
(1,428)	1:B:99:GLY:C	1:B:100:ALA:N	1:B:100:ALA:CA	1:B:100:ALA:C	2	2.1	0.0	2.1
(1,110)	1:A:66:ALA:C	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	2	2.05	0.55	2.05
(1,534)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	2	1.9	0.2	1.9
(1,590)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	2	1.9	0.0	1.9
(1,832)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	2	1.9	0.1	1.9
(1,3)	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	1:A:11:PHE:N	2	1.85	0.05	1.85
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	2	1.85	0.05	1.85
(1,787)	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	1:D:46:THR:N	2	1.8	0.2	1.8
(1,793)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	2	1.8	0.6	1.8
(1,709)	1:C:133:PHE:N	1:C:133:PHE:CA	1:C:133:PHE:C	1:C:134:ASP:N	2	1.75	0.25	1.75
(1,806)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	2	1.75	0.25	1.75
(1,658)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	2	1.7	0.1	1.7
(1,147)	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	1:A:86:ILE:N	2	1.65	0.55	1.65
(1,542)	1:C:32:PHE:C	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	2	1.65	0.05	1.65
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	2	1.6	0.5	1.6
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	2	1.6	0.3	1.6
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	2	1.6	0.2	1.6
(1,633)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	2	1.6	0.3	1.6
(1,345)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	2	1.55	0.25	1.55
(1,766)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	2	1.55	0.15	1.55
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	2	1.5	0.3	1.5
(1,527)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	2	1.5	0.0	1.5
(1,563)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	2	1.5	0.4	1.5
(1,583)	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	1:C:58:VAL:N	2	1.5	0.3	1.5
(1,584)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	2	1.5	0.4	1.5
(1,797)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	2	1.5	0.4	1.5
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	2	1.45	0.15	1.45
(1,318)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	2	1.45	0.35	1.45
(1,512)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	2	1.45	0.35	1.45
(1,683)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	2	1.45	0.35	1.45
(1,727)	1:D:11:PHE:N	1:D:11:PHE:CA	1:D:11:PHE:C	1:D:12:GLN:N	2	1.45	0.15	1.45
(1,784)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	2	1.45	0.25	1.45
(1,962)	1:D:136:LEU:C	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	2	1.45	0.05	1.45
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	2	1.4	0.3	1.4
(1,789)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	2	1.4	0.2	1.4
(1,893)	1:D:98:LEU:N	1:D:98:LEU:CA	1:D:98:LEU:C	1:D:99:GLY:N	2	1.4	0.1	1.4
(1,22)	1:A:19:LYS:C	1:A:20:ASP:N	1:A:20:ASP:CA	1:A:20:ASP:C	2	1.35	0.05	1.35
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	2	1.35	0.25	1.35
(1,598)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	2	1.35	0.05	1.35
(1,768)	1:D:34:LYS:C	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	2	1.35	0.05	1.35
(1,946)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	2	1.35	0.15	1.35
(1,558)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	2	1.3	0.0	1.3
(1,853)	1:D:78:VAL:N	1:D:78:VAL:CA	1:D:78:VAL:C	1:D:79:GLN:N	2	1.3	0.0	1.3
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	2	1.3	0.1	1.3
(1,752)	1:D:24:GLU:C	1:D:25:ALA:N	1:D:25:ALA:CA	1:D:25:ALA:C	2	1.3	0.1	1.3
(1,631)	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	1:C:82:GLY:N	2	1.25	0.15	1.25
(1,676)	1:C:111:ARG:C	1:C:112:GLU:N	1:C:112:GLU:CA	1:C:112:GLU:C	2	1.25	0.05	1.25
(1,778)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	2	1.2	0.1	1.2
(1,750)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	2	1.15	0.05	1.15

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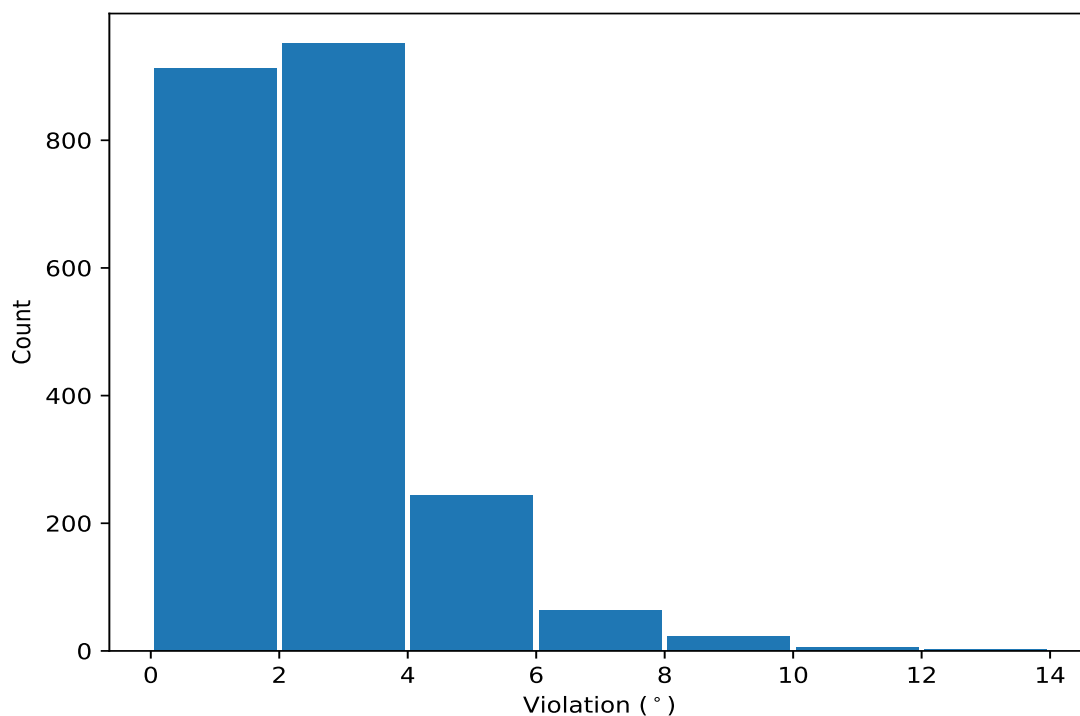
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,756)	1:D:27:ASN:C	1:D:28:ALA:N	1:D:28:ALA:CA	1:D:28:ALA:C	2	1.1	0.0	1.1
(1,811)	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	1:D:58:VAL:N	2	1.1	0.0	1.1

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

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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 [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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	12	13.0
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	2	12.7
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	18	11.4
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	19	11.3
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	16	10.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	18	10.3
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	8	10.0
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1	9.9
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	6	9.7
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	14	9.7
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	20	9.5
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	5	9.4
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	8	9.3
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	10	9.1
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	15	8.8
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	20	8.8
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	4	8.7
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	16	8.7
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	15	8.7
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	10	8.7
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	13	8.7
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	12	8.6
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	4	8.6
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	2	8.5
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	7	8.4
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	13	8.4
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	7	8.3
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	20	8.3
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1	8.2
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	5	7.9
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	13	7.9
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	18	7.7
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	6	7.7
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	2	7.6
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	13	7.4
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	18	7.3
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	13	7.3
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	4	7.3
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	20	7.3
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	18	7.2
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	10	7.2
(1,963)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	6	7.1
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	13	7.1
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	11	7.1
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	10	7.0
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	12	7.0
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	8	7.0
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	18	7.0
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	1	7.0
(1,252)	1:A:141:LEU:C	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	3	7.0
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	6	6.9
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	3	6.8
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	1	6.8
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	19	6.8
(1,63)	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	1:A:44:LEU:N	4	6.7
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	20	6.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	16	6.7
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	8	6.7
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	12	6.6
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	18	6.6
(1,232)	1:A:131:VAL:C	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	3	6.6
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	13	6.6
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	17	6.5
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	14	6.5
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	6	6.5
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	4	6.5
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	4	6.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	1	6.4
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	20	6.4
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	8	6.3
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	19	6.3
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	17	6.3
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	10	6.2
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	5	6.2
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	7	6.2
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	2	6.2
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	1	6.2
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	15	6.2
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	11	6.2
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	9	6.2
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	11	6.2
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	13	6.1
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	3	6.1
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	2	6.1
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	17	6.1
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	15	6.1
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	12	6.1
(1,963)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	1	6.0
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	16	6.0
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	11	6.0
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	3	6.0
(1,700)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1	6.0
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	14	6.0
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	9	5.9
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	14	5.9
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	14	5.9
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	14	5.9
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	13	5.8
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	10	5.8
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	2	5.8
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	10	5.8
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	17	5.8
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	19	5.8
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	14	5.8
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	2	5.8
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	4	5.8
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	15	5.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	1	5.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	16	5.7
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	9	5.6
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	11	5.6
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	14	5.6
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	2	5.6
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	4	5.6
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	15	5.6
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	20	5.6
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	20	5.6
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	15	5.6
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	5	5.5
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	3	5.5
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	5	5.5
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	11	5.5
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	12	5.5
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	19	5.5
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	11	5.5
(1,243)	1:A:137:PHE:N	1:A:137:PHE:CA	1:A:137:PHE:C	1:A:138:MET:N	11	5.5
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	1	5.5
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	3	5.4
(1,645)	1:C:91:GLY:N	1:C:91:GLY:CA	1:C:91:GLY:C	1:C:92:THR:N	7	5.4
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	16	5.4
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	19	5.4
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	17	5.3
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	15	5.3
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	2	5.3
(1,547)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	1	5.3
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	20	5.3
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	3	5.3
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	14	5.2
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	19	5.2
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	12	5.2
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	17	5.2
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	13	5.2
(1,697)	1:C:122:THR:N	1:C:122:THR:CA	1:C:122:THR:C	1:C:123:PHE:N	15	5.2
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	13	5.2
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	20	5.2
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	11	5.2
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	9	5.1
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	9	5.1
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	10	5.1
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	19	5.1
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	20	5.1
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	12	5.1
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	5	5.1
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	10	5.1
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	2	5.0
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	15	5.0
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	3	5.0
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	17	5.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	13	5.0
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	19	5.0
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	10	5.0
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	18	5.0
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	16	5.0
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	6	5.0
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	8	5.0
(1,232)	1:A:131:VAL:C	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	13	5.0
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	5	5.0
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	13	5.0
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	20	4.9
(1,943)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	17	4.9
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	8	4.9
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	15	4.9
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	13	4.9
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	2	4.9
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	5	4.9
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	9	4.9
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	17	4.9
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	16	4.9
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	10	4.9
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1	4.9
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	2	4.9
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	1	4.9
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	14	4.8
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	8	4.8
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	3	4.8
(1,729)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	7	4.8
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	3	4.8
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	9	4.8
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	16	4.8
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	19	4.8
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	17	4.8
(1,497)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	7	4.8
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	4	4.8
(1,401)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	8	4.8
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	7	4.8
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	8	4.8
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	10	4.8
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	4	4.7
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	19	4.7
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	1	4.7
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	7	4.7
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	19	4.7
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	6	4.7
(1,405)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	5	4.7
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	10	4.7
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	12	4.7
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	19	4.7
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	15	4.7
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	14	4.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	9	4.7
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	6	4.6
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	6	4.6
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	4	4.6
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	20	4.6
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	7	4.6
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	5	4.6
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	15	4.6
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	8	4.6
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	11	4.6
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	8	4.6
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	8	4.6
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	11	4.5
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	1	4.5
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	2	4.5
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	18	4.5
(1,548)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1	4.5
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	14	4.5
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	6	4.5
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	12	4.5
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	18	4.5
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	3	4.5
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	12	4.4
(1,849)	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	1:D:77:GLU:N	16	4.4
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	14	4.4
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	20	4.4
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	13	4.4
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	20	4.4
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	18	4.4
(1,645)	1:C:91:GLY:N	1:C:91:GLY:CA	1:C:91:GLY:C	1:C:92:THR:N	3	4.4
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	15	4.4
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	18	4.4
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	15	4.4
(1,555)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	11	4.4
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	12	4.4
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	5	4.4
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	8	4.4
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	8	4.4
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	20	4.4
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	18	4.4
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	11	4.4
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	10	4.4
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	12	4.3
(1,871)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	20	4.3
(1,868)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	3	4.3
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	7	4.3
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	9	4.3
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	13	4.3
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	13	4.3
(1,553)	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1:C:40:VAL:N	19	4.3
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	15	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	17	4.3
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	2	4.3
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	1	4.3
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	17	4.3
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	1	4.3
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	15	4.3
(1,118)	1:A:70:GLU:C	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	10	4.3
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	2	4.2
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	16	4.2
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	6	4.2
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	12	4.2
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	15	4.2
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	5	4.2
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	19	4.2
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	8	4.2
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1	4.2
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	4	4.2
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	8	4.2
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	11	4.2
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	14	4.2
(1,497)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	17	4.2
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	3	4.2
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	13	4.2
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	18	4.2
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	3	4.2
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	14	4.2
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	13	4.2
(1,217)	1:A:122:THR:N	1:A:122:THR:CA	1:A:122:THR:C	1:A:123:PHE:N	9	4.2
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	12	4.2
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	9	4.2
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	8	4.1
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	13	4.1
(1,957)	1:D:134:ASP:N	1:D:134:ASP:CA	1:D:134:ASP:C	1:D:135:ALA:N	5	4.1
(1,937)	1:D:122:THR:N	1:D:122:THR:CA	1:D:122:THR:C	1:D:123:PHE:N	19	4.1
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	15	4.1
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	18	4.1
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	20	4.1
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	8	4.1
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	17	4.1
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	19	4.1
(1,735)	1:D:15:ARG:N	1:D:15:ARG:CA	1:D:15:ARG:C	1:D:16:ILE:N	7	4.1
(1,722)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	17	4.1
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	8	4.1
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	19	4.1
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	4	4.1
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1	4.1
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	6	4.1
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	7	4.1
(1,546)	1:C:34:LYS:C	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1	4.1
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	19	4.1
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	17	4.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	20	4.1
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	20	4.1
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	16	4.1
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	8	4.1
(1,215)	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	1:A:122:THR:N	16	4.1
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	5	4.1
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	5	4.0
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	15	4.0
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	20	4.0
(1,751)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	12	4.0
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	6	4.0
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	13	4.0
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	6	4.0
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	4	4.0
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	19	4.0
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	20	4.0
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	7	4.0
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	11	4.0
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	18	4.0
(1,391)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	4	4.0
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	7	4.0
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	12	4.0
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	16	4.0
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	3	4.0
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	20	4.0
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	14	4.0
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	1	3.9
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	5	3.9
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	9	3.9
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	15	3.9
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	19	3.9
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	6	3.9
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	7	3.9
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	13	3.9
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	16	3.9
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	8	3.9
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	9	3.9
(1,639)	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	1:C:86:ILE:N	2	3.9
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	12	3.9
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	1	3.9
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	7	3.9
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	4	3.9
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	18	3.9
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	17	3.9
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	17	3.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	3	3.9
(1,217)	1:A:122:THR:N	1:A:122:THR:CA	1:A:122:THR:C	1:A:123:PHE:N	4	3.9
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	3	3.8
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	6	3.8
(1,779)	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	1:D:42:LEU:N	19	3.8
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	4	3.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	15	3.8
(1,717)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	19	3.8
(1,706)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	2	3.8
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	9	3.8
(1,557)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	16	3.8
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	7	3.8
(1,493)	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	1:B:140:TYR:N	7	3.8
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	11	3.8
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	14	3.8
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	15	3.8
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	11	3.8
(1,355)	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	1:B:64:VAL:N	12	3.8
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	16	3.8
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	5	3.8
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	8	3.8
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	9	3.8
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	11	3.8
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	17	3.8
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	18	3.8
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	5	3.8
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	9	3.8
(1,943)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	1	3.7
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	10	3.7
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	3	3.7
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	10	3.7
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	15	3.7
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	14	3.7
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	11	3.7
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	10	3.7
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	11	3.7
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	2	3.7
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	13	3.7
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	8	3.7
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	10	3.7
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	10	3.7
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	17	3.7
(1,356)	1:B:63:THR:C	1:B:64:VAL:N	1:B:64:VAL:CA	1:B:64:VAL:C	10	3.7
(1,351)	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	1:B:62:VAL:N	13	3.7
(1,315)	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	1:B:43:ASP:N	10	3.7
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	13	3.7
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	13	3.7
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	18	3.7
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	3	3.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	15	3.7
(1,218)	1:A:122:THR:C	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	16	3.7
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	7	3.7
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	13	3.7
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	6	3.7
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	17	3.7
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	19	3.7
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	10	3.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	9	3.6
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	5	3.6
(1,724)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	15	3.6
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	13	3.6
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	7	3.6
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	2	3.6
(1,606)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	4	3.6
(1,606)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	5	3.6
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	8	3.6
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	4	3.6
(1,549)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	15	3.6
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	8	3.6
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	17	3.6
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	7	3.6
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	8	3.6
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	15	3.6
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	6	3.6
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	7	3.6
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	18	3.6
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	10	3.6
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	2	3.6
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	14	3.6
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	1	3.6
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	19	3.6
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	13	3.6
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	10	3.6
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	5	3.6
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	20	3.6
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	5	3.5
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	12	3.5
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	5	3.5
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	17	3.5
(1,970)	1:D:140:TYR:C	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	19	3.5
(1,963)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	11	3.5
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	5	3.5
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	14	3.5
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	2	3.5
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	13	3.5
(1,9)	1:A:13:ILE:N	1:A:13:ILE:CA	1:A:13:ILE:C	1:A:14:GLN:N	14	3.5
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	17	3.5
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	11	3.5
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	3	3.5
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	6	3.5
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	10	3.5
(1,650)	1:C:95:ALA:C	1:C:96:HIS:N	1:C:96:HIS:CA	1:C:96:HIS:C	19	3.5
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	16	3.5
(1,622)	1:C:76:CYS:C	1:C:77:GLU:N	1:C:77:GLU:CA	1:C:77:GLU:C	2	3.5
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	11	3.5
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	13	3.5
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	5	3.5
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	10	3.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	19	3.5
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	15	3.5
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	8	3.5
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	18	3.5
(1,455)	1:B:115:THR:N	1:B:115:THR:CA	1:B:115:THR:C	1:B:116:SER:N	6	3.5
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	15	3.5
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	7	3.5
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	5	3.5
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	14	3.5
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	9	3.5
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	9	3.5
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	11	3.5
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	10	3.5
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	4	3.5
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	19	3.5
(1,971)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	16	3.4
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	4	3.4
(1,895)	1:D:99:GLY:N	1:D:99:GLY:CA	1:D:99:GLY:C	1:D:100:ALA:N	4	3.4
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	13	3.4
(1,859)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	14	3.4
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	1	3.4
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	12	3.4
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	19	3.4
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	8	3.4
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	7	3.4
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	4	3.4
(1,729)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	4	3.4
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	4	3.4
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	18	3.4
(1,703)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	5	3.4
(1,701)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	6	3.4
(1,626)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	17	3.4
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	19	3.4
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	3	3.4
(1,571)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	20	3.4
(1,568)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	13	3.4
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	20	3.4
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	2	3.4
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	3	3.4
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	12	3.4
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	5	3.4
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1	3.4
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	10	3.4
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	14	3.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	10	3.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	12	3.4
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	12	3.4
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	8	3.4
(1,257)	1:B:10:THR:N	1:B:10:THR:CA	1:B:10:THR:C	1:B:11:PHE:N	1	3.4
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	5	3.4
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	9	3.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	16	3.4
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	19	3.4
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	3	3.4
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	18	3.4
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	5	3.4
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	15	3.3
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	19	3.3
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	20	3.3
(1,91)	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	1:A:58:VAL:N	2	3.3
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	17	3.3
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	1	3.3
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	12	3.3
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	12	3.3
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	19	3.3
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	3	3.3
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	7	3.3
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	10	3.3
(1,555)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	14	3.3
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	3	3.3
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	13	3.3
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	17	3.3
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	5	3.3
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	15	3.3
(1,399)	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	1:B:86:ILE:N	15	3.3
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	3	3.3
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	6	3.3
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	9	3.3
(1,319)	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	1:B:46:THR:N	8	3.3
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	15	3.3
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	20	3.3
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	1	3.3
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	9	3.3
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	2	3.3
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	12	3.3
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	14	3.3
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	11	3.2
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	3	3.2
(1,865)	1:D:84:PHE:N	1:D:84:PHE:CA	1:D:84:PHE:C	1:D:85:SER:N	14	3.2
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	7	3.2
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	11	3.2
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	20	3.2
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	9	3.2
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	10	3.2
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	6	3.2
(1,700)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	6	3.2
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	3	3.2
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	20	3.2
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	4	3.2
(1,595)	1:C:63:THR:N	1:C:63:THR:CA	1:C:63:THR:C	1:C:64:VAL:N	11	3.2
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	8	3.2
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	14	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	10	3.2
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	18	3.2
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	6	3.2
(1,511)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	14	3.2
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	2	3.2
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	15	3.2
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	18	3.2
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	2	3.2
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	9	3.2
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	8	3.2
(1,360)	1:B:65:THR:C	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	18	3.2
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	6	3.2
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	10	3.2
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	16	3.2
(1,298)	1:B:32:PHE:C	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1	3.2
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	13	3.2
(1,256)	1:B:9:MET:C	1:B:10:THR:N	1:B:10:THR:CA	1:B:10:THR:C	16	3.2
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	5	3.2
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	12	3.2
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	2	3.2
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	20	3.2
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	14	3.2
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	16	3.2
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	19	3.2
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	14	3.2
(1,109)	1:A:66:ALA:N	1:A:66:ALA:CA	1:A:66:ALA:C	1:A:67:SER:N	13	3.2
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	20	3.1
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	14	3.1
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	19	3.1
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	2	3.1
(1,859)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	1	3.1
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	11	3.1
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	11	3.1
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	15	3.1
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	9	3.1
(1,758)	1:D:29:PRO:C	1:D:30:HIS:N	1:D:30:HIS:CA	1:D:30:HIS:C	10	3.1
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	7	3.1
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	7	3.1
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	5	3.1
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	16	3.1
(1,639)	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	1:C:86:ILE:N	9	3.1
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	19	3.1
(1,620)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	5	3.1
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	16	3.1
(1,603)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	18	3.1
(1,592)	1:C:61:ARG:C	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	12	3.1
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	6	3.1
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	18	3.1
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	16	3.1
(1,530)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	7	3.1
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	11	3.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	17	3.1
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	19	3.1
(1,49)	1:A:35:ASP:N	1:A:35:ASP:CA	1:A:35:ASP:C	1:A:36:TRP:N	13	3.1
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	6	3.1
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	18	3.1
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	15	3.1
(1,384)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	16	3.1
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	12	3.1
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	4	3.1
(1,323)	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	1:B:48:SER:N	20	3.1
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	5	3.1
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	17	3.1
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	13	3.1
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	11	3.1
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	20	3.1
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	11	3.1
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	5	3.1
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	11	3.1
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	18	3.0
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	17	3.0
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	11	3.0
(1,877)	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	1:D:91:GLY:N	11	3.0
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	1	3.0
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	16	3.0
(1,871)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	18	3.0
(1,865)	1:D:84:PHE:N	1:D:84:PHE:CA	1:D:84:PHE:C	1:D:85:SER:N	12	3.0
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	5	3.0
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	8	3.0
(1,822)	1:D:62:VAL:C	1:D:63:THR:N	1:D:63:THR:CA	1:D:63:THR:C	1	3.0
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	6	3.0
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	12	3.0
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	14	3.0
(1,706)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	12	3.0
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	1	3.0
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	16	3.0
(1,639)	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	1:C:86:ILE:N	20	3.0
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	20	3.0
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	3	3.0
(1,596)	1:C:63:THR:C	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	18	3.0
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	11	3.0
(1,529)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	8	3.0
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	19	3.0
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	16	3.0
(1,475)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	20	3.0
(1,405)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	10	3.0
(1,401)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	5	3.0
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	10	3.0
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	20	3.0
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	20	3.0
(1,329)	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	1:B:51:LEU:N	7	3.0
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	19	3.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	9	3.0
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	19	3.0
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	3	3.0
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	15	3.0
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	16	3.0
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	12	3.0
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	17	3.0
(1,137)	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	1:A:81:GLY:N	9	3.0
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	4	3.0
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	6	3.0
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	13	3.0
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	16	3.0
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	12	2.9
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	6	2.9
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	14	2.9
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	17	2.9
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	2	2.9
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	3	2.9
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	9	2.9
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	2	2.9
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	14	2.9
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	17	2.9
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	20	2.9
(1,751)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	15	2.9
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	5	2.9
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	20	2.9
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	20	2.9
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	14	2.9
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	4	2.9
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	17	2.9
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	8	2.9
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	10	2.9
(1,596)	1:C:63:THR:C	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	4	2.9
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	7	2.9
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	6	2.9
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	8	2.9
(1,403)	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1:B:88:GLY:N	18	2.9
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	12	2.9
(1,374)	1:B:72:THR:C	1:B:73:ALA:N	1:B:73:ALA:CA	1:B:73:ALA:C	2	2.9
(1,364)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	14	2.9
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	18	2.9
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	16	2.9
(1,259)	1:B:11:PHE:N	1:B:11:PHE:CA	1:B:11:PHE:C	1:B:12:GLN:N	15	2.9
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	6	2.9
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	7	2.9
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	4	2.9
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	14	2.9
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	2	2.9
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	7	2.9
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	15	2.9
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	3	2.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	16	2.8
(1,973)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	7	2.8
(1,957)	1:D:134:ASP:N	1:D:134:ASP:CA	1:D:134:ASP:C	1:D:135:ALA:N	18	2.8
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	4	2.8
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	7	2.8
(1,943)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	14	2.8
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	4	2.8
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	19	2.8
(1,875)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:GLU:N	5	2.8
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	5	2.8
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	5	2.8
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	18	2.8
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	19	2.8
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	9	2.8
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	13	2.8
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	6	2.8
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	4	2.8
(1,730)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	17	2.8
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	11	2.8
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1	2.8
(1,717)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	16	2.8
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	14	2.8
(1,626)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	8	2.8
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	12	2.8
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	20	2.8
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	15	2.8
(1,501)	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	1:C:11:PHE:N	15	2.8
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	2	2.8
(1,413)	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	1:B:93:GLN:N	8	2.8
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	16	2.8
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	1	2.8
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	5	2.8
(1,354)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	9	2.8
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	19	2.8
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	9	2.8
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	16	2.8
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	11	2.8
(1,322)	1:B:46:THR:C	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	18	2.8
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	4	2.8
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	13	2.8
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	20	2.8
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	12	2.8
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	13	2.8
(1,233)	1:A:132:ASN:N	1:A:132:ASN:CA	1:A:132:ASN:C	1:A:133:PHE:N	1	2.8
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	19	2.8
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	19	2.8
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	19	2.8
(1,137)	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	1:A:81:GLY:N	10	2.8
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	12	2.8
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	20	2.8
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	16	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	15	2.7
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	14	2.7
(1,941)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	12	2.7
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	4	2.7
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	12	2.7
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	20	2.7
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	15	2.7
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	2	2.7
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	12	2.7
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	3	2.7
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	15	2.7
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	11	2.7
(1,754)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	3	2.7
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	15	2.7
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	5	2.7
(1,645)	1:C:91:GLY:N	1:C:91:GLY:CA	1:C:91:GLY:C	1:C:92:THR:N	5	2.7
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1	2.7
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	15	2.7
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	7	2.7
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	7	2.7
(1,569)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	7	2.7
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	12	2.7
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	17	2.7
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	17	2.7
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	14	2.7
(1,507)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	4	2.7
(1,502)	1:C:10:THR:C	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	9	2.7
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	16	2.7
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	1	2.7
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	10	2.7
(1,411)	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	1:B:92:THR:N	8	2.7
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	2	2.7
(1,405)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	3	2.7
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	3	2.7
(1,347)	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	1:B:60:LEU:N	18	2.7
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	3	2.7
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	2	2.7
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	7	2.7
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	3	2.7
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	9	2.7
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	16	2.7
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	14	2.7
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	6	2.7
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	20	2.7
(1,248)	1:A:139:ASN:C	1:A:140:TYR:N	1:A:140:TYR:CA	1:A:140:TYR:C	3	2.7
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	14	2.7
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	4	2.7
(1,151)	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	1:A:88:GLY:N	1	2.7
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	16	2.7
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	16	2.7
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	4	2.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	14	2.7
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	3	2.6
(1,957)	1:D:134:ASP:N	1:D:134:ASP:CA	1:D:134:ASP:C	1:D:135:ALA:N	6	2.6
(1,957)	1:D:134:ASP:N	1:D:134:ASP:CA	1:D:134:ASP:C	1:D:135:ALA:N	17	2.6
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	15	2.6
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	12	2.6
(1,898)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	19	2.6
(1,871)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	4	2.6
(1,869)	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	1:D:87:ALA:N	16	2.6
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	15	2.6
(1,854)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	19	2.6
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	20	2.6
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	5	2.6
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	9	2.6
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	12	2.6
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	14	2.6
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	9	2.6
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	1	2.6
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	7	2.6
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	12	2.6
(1,553)	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1:C:40:VAL:N	2	2.6
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	15	2.6
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	3	2.6
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	20	2.6
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	3	2.6
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	16	2.6
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	20	2.6
(1,529)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	1	2.6
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	12	2.6
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	13	2.6
(1,407)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	17	2.6
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	12	2.6
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	17	2.6
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	1	2.6
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	10	2.6
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	15	2.6
(1,325)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	7	2.6
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	5	2.6
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	9	2.6
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	19	2.6
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	12	2.6
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	3	2.6
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	5	2.6
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	14	2.6
(1,29)	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	1:A:24:GLU:N	12	2.6
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	2	2.6
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	11	2.6
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	13	2.6
(1,237)	1:A:134:ASP:N	1:A:134:ASP:CA	1:A:134:ASP:C	1:A:135:ALA:N	18	2.6
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	7	2.6
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	1	2.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,215)	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	1:A:122:THR:N	8	2.6
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	6	2.6
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	12	2.6
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	9	2.6
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	11	2.6
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	16	2.6
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	19	2.6
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	19	2.6
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	20	2.6
(1,110)	1:A:66:ALA:C	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	12	2.6
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	17	2.6
(1,967)	1:D:139:ASN:N	1:D:139:ASN:CA	1:D:139:ASN:C	1:D:140:TYR:N	8	2.5
(1,963)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	3	2.5
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	7	2.5
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	12	2.5
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	14	2.5
(1,871)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	16	2.5
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	6	2.5
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	8	2.5
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	20	2.5
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	10	2.5
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	4	2.5
(1,794)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	4	2.5
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	1	2.5
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	13	2.5
(1,779)	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	1:D:42:LEU:N	17	2.5
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	9	2.5
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	10	2.5
(1,749)	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	1:D:24:GLU:N	17	2.5
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	15	2.5
(1,729)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	10	2.5
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	15	2.5
(1,630)	1:C:80:GLN:C	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	8	2.5
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	6	2.5
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	10	2.5
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	14	2.5
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	19	2.5
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	15	2.5
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	14	2.5
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	4	2.5
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	15	2.5
(1,529)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	12	2.5
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	1	2.5
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	20	2.5
(1,475)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	9	2.5
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	18	2.5
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	7	2.5
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	20	2.5
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	14	2.5
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	20	2.5
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	10	2.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	2	2.5
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	5	2.5
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	18	2.5
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	19	2.5
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	16	2.5
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	16	2.5
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	11	2.5
(1,223)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:ASN:N	13	2.5
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	12	2.5
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	19	2.5
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	7	2.5
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	3	2.5
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	12	2.5
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	6	2.5
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	18	2.5
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	7	2.4
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	2	2.4
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	9	2.4
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	10	2.4
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	11	2.4
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	6	2.4
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	10	2.4
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	8	2.4
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	1	2.4
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	8	2.4
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	10	2.4
(1,814)	1:D:58:VAL:C	1:D:59:VAL:N	1:D:59:VAL:CA	1:D:59:VAL:C	16	2.4
(1,793)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	16	2.4
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	15	2.4
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	9	2.4
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	15	2.4
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	7	2.4
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	17	2.4
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	20	2.4
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	3	2.4
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	18	2.4
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	20	2.4
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	2	2.4
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	5	2.4
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	9	2.4
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	11	2.4
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	14	2.4
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	8	2.4
(1,564)	1:C:46:THR:C	1:C:47:ALA:N	1:C:47:ALA:CA	1:C:47:ALA:C	11	2.4
(1,557)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	4	2.4
(1,556)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	15	2.4
(1,548)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	7	2.4
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	16	2.4
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	13	2.4
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	16	2.4
(1,500)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	6	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,479)	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	1:B:129:ALA:N	16	2.4
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1	2.4
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	3	2.4
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	18	2.4
(1,361)	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	1:B:67:SER:N	4	2.4
(1,357)	1:B:64:VAL:N	1:B:64:VAL:CA	1:B:64:VAL:C	1:B:65:THR:N	11	2.4
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	8	2.4
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	9	2.4
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	14	2.4
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	16	2.4
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	16	2.4
(1,327)	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	1:B:50:GLN:N	8	2.4
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	18	2.4
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	5	2.4
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	4	2.4
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	8	2.4
(1,27)	1:A:22:SER:N	1:A:22:SER:CA	1:A:22:SER:C	1:A:23:PHE:N	15	2.4
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	14	2.4
(1,227)	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	1:A:129:ALA:N	15	2.4
(1,218)	1:A:122:THR:C	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	8	2.4
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	14	2.4
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	11	2.4
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	15	2.4
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	18	2.4
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	1	2.4
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	1	2.4
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	8	2.4
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	9	2.4
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	14	2.4
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	16	2.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	3	2.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	17	2.4
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	6	2.3
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	19	2.3
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	10	2.3
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	12	2.3
(1,898)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	14	2.3
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	2	2.3
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	7	2.3
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	18	2.3
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	2	2.3
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	4	2.3
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	17	2.3
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	7	2.3
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	14	2.3
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	6	2.3
(1,782)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	5	2.3
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	1	2.3
(1,764)	1:D:32:PHE:C	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	9	2.3
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	6	2.3
(1,748)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	15	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	7	2.3
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	10	2.3
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	15	2.3
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	14	2.3
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	20	2.3
(1,642)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	18	2.3
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	9	2.3
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	9	2.3
(1,564)	1:C:46:THR:C	1:C:47:ALA:N	1:C:47:ALA:CA	1:C:47:ALA:C	9	2.3
(1,559)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	19	2.3
(1,557)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	9	2.3
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	6	2.3
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	6	2.3
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	19	2.3
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	3	2.3
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	10	2.3
(1,492)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	13	2.3
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	14	2.3
(1,475)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	11	2.3
(1,469)	1:B:122:THR:N	1:B:122:THR:CA	1:B:122:THR:C	1:B:123:PHE:N	16	2.3
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	6	2.3
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	4	2.3
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1	2.3
(1,401)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	6	2.3
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	7	2.3
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	5	2.3
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	19	2.3
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	1	2.3
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	16	2.3
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	7	2.3
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	15	2.3
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	19	2.3
(1,325)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	10	2.3
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	11	2.3
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	8	2.3
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	7	2.3
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	11	2.3
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	19	2.3
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	2	2.3
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	15	2.3
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	9	2.3
(1,158)	1:A:90:GLU:C	1:A:91:GLY:N	1:A:91:GLY:CA	1:A:91:GLY:C	1	2.3
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	7	2.3
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	19	2.3
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	14	2.3
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	16	2.3
(1,971)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	2	2.2
(1,953)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	11	2.2
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	8	2.2
(1,950)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	18	2.2
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	8	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,867)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	12	2.2
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	4	2.2
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	5	2.2
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	17	2.2
(1,782)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	1	2.2
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	18	2.2
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	6	2.2
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	2	2.2
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	17	2.2
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	16	2.2
(1,701)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	11	2.2
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	7	2.2
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	15	2.2
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	13	2.2
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	17	2.2
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	1	2.2
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	18	2.2
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	11	2.2
(1,557)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	3	2.2
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	8	2.2
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	9	2.2
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	17	2.2
(1,530)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	2	2.2
(1,530)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	15	2.2
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	18	2.2
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	2	2.2
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	17	2.2
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	12	2.2
(1,474)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1	2.2
(1,411)	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	1:B:92:THR:N	10	2.2
(1,41)	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	1:A:32:PHE:N	18	2.2
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	3	2.2
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	10	2.2
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	19	2.2
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	7	2.2
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	9	2.2
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	3	2.2
(1,355)	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	1:B:64:VAL:N	8	2.2
(1,354)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	2	2.2
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	12	2.2
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	10	2.2
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	19	2.2
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	14	2.2
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	20	2.2
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	7	2.2
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	10	2.2
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	11	2.2
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	20	2.2
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	20	2.2
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	3	2.2
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	11	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	2	2.2
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	1	2.2
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	2	2.2
(1,257)	1:B:10:THR:N	1:B:10:THR:CA	1:B:10:THR:C	1:B:11:PHE:N	15	2.2
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	7	2.2
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	16	2.2
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	20	2.2
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	12	2.2
(1,147)	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	1:A:86:ILE:N	3	2.2
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	11	2.2
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	16	2.2
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	18	2.2
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	14	2.2
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	18	2.2
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	7	2.1
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	8	2.1
(1,875)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:GLU:N	8	2.1
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	20	2.1
(1,867)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	7	2.1
(1,866)	1:D:84:PHE:C	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	11	2.1
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	4	2.1
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	3	2.1
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	12	2.1
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	14	2.1
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	16	2.1
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1	2.1
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	5	2.1
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	10	2.1
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	16	2.1
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	10	2.1
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	17	2.1
(1,74)	1:A:48:SER:C	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	8	2.1
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1	2.1
(1,717)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	12	2.1
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	1	2.1
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	13	2.1
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	10	2.1
(1,620)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	17	2.1
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	3	2.1
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	10	2.1
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	13	2.1
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	17	2.1
(1,559)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	4	2.1
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	14	2.1
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	10	2.1
(1,534)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	12	2.1
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	7	2.1
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	13	2.1
(1,525)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	16	2.1
(1,519)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	18	2.1
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	19	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,501)	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	1:C:11:PHE:N	20	2.1
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	17	2.1
(1,428)	1:B:99:GLY:C	1:B:100:ALA:N	1:B:100:ALA:CA	1:B:100:ALA:C	4	2.1
(1,428)	1:B:99:GLY:C	1:B:100:ALA:N	1:B:100:ALA:CA	1:B:100:ALA:C	7	2.1
(1,407)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	18	2.1
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	14	2.1
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	9	2.1
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	9	2.1
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	13	2.1
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	19	2.1
(1,326)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	6	2.1
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	20	2.1
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	4	2.1
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	15	2.1
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	18	2.1
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	8	2.1
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	4	2.1
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	11	2.1
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	18	2.1
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	11	2.1
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	17	2.1
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	16	2.1
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	16	2.1
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	2	2.1
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	17	2.1
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	20	2.1
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	13	2.1
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	12	2.0
(1,972)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	3	2.0
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	2	2.0
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	16	2.0
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	15	2.0
(1,898)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	2	2.0
(1,896)	1:D:99:GLY:C	1:D:100:ALA:N	1:D:100:ALA:CA	1:D:100:ALA:C	15	2.0
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	4	2.0
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	13	2.0
(1,877)	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	1:D:91:GLY:N	10	2.0
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	13	2.0
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	1	2.0
(1,832)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	19	2.0
(1,806)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	3	2.0
(1,787)	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	1:D:46:THR:N	14	2.0
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	11	2.0
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	4	2.0
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	19	2.0
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	2	2.0
(1,709)	1:C:133:PHE:N	1:C:133:PHE:CA	1:C:133:PHE:C	1:C:134:ASP:N	13	2.0
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	12	2.0
(1,642)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	11	2.0
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	11	2.0
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	4	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	6	2.0
(1,628)	1:C:79:GLN:C	1:C:80:GLN:N	1:C:80:GLN:CA	1:C:80:GLN:C	8	2.0
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	18	2.0
(1,617)	1:C:74:PHE:N	1:C:74:PHE:CA	1:C:74:PHE:C	1:C:75:LEU:N	19	2.0
(1,606)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	16	2.0
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	10	2.0
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	9	2.0
(1,580)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	14	2.0
(1,571)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	13	2.0
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	5	2.0
(1,559)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	16	2.0
(1,548)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	15	2.0
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	13	2.0
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	2	2.0
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	8	2.0
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	18	2.0
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	6	2.0
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	11	2.0
(1,522)	1:C:20:ASP:C	1:C:21:ILE:N	1:C:21:ILE:CA	1:C:21:ILE:C	14	2.0
(1,511)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	18	2.0
(1,502)	1:C:10:THR:C	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	17	2.0
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	2	2.0
(1,49)	1:A:35:ASP:N	1:A:35:ASP:CA	1:A:35:ASP:C	1:A:36:TRP:N	7	2.0
(1,485)	1:B:134:ASP:N	1:B:134:ASP:CA	1:B:134:ASP:C	1:B:135:ALA:N	13	2.0
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	19	2.0
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	8	2.0
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	9	2.0
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	14	2.0
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	19	2.0
(1,421)	1:B:96:HIS:N	1:B:96:HIS:CA	1:B:96:HIS:C	1:B:97:CYS:N	3	2.0
(1,410)	1:B:90:GLU:C	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	3	2.0
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	14	2.0
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	18	2.0
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	20	2.0
(1,384)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	8	2.0
(1,380)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	2	2.0
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	9	2.0
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	16	2.0
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	2	2.0
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	14	2.0
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	13	2.0
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	17	2.0
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	12	2.0
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	15	2.0
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	11	2.0
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	9	2.0
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	16	2.0
(1,252)	1:A:141:LEU:C	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	17	2.0
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	8	2.0
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	1	2.0
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	10	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	18	2.0
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	7	2.0
(1,151)	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	1:A:88:GLY:N	8	2.0
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	9	2.0
(1,140)	1:A:81:GLY:C	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	4	2.0
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	14	2.0
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	4	2.0
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	5	2.0
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	4	1.9
(1,973)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	9	1.9
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	15	1.9
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	2	1.9
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	11	1.9
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	5	1.9
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	16	1.9
(1,879)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	11	1.9
(1,865)	1:D:84:PHE:N	1:D:84:PHE:CA	1:D:84:PHE:C	1:D:85:SER:N	5	1.9
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	16	1.9
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	1	1.9
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	13	1.9
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	20	1.9
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	9	1.9
(1,837)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	13	1.9
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	17	1.9
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	12	1.9
(1,797)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	13	1.9
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	8	1.9
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	18	1.9
(1,730)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1	1.9
(1,730)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	15	1.9
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	10	1.9
(1,718)	1:C:138:MET:C	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	8	1.9
(1,698)	1:C:122:THR:C	1:C:123:PHE:N	1:C:123:PHE:CA	1:C:123:PHE:C	16	1.9
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	15	1.9
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	16	1.9
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	12	1.9
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	6	1.9
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	9	1.9
(1,633)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	10	1.9
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	9	1.9
(1,590)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1	1.9
(1,590)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	7	1.9
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	3	1.9
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	3	1.9
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	17	1.9
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	14	1.9
(1,584)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	12	1.9
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	8	1.9
(1,563)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	17	1.9
(1,556)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	19	1.9
(1,553)	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1:C:40:VAL:N	9	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	16	1.9
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	12	1.9
(1,511)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	15	1.9
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	2	1.9
(1,497)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	9	1.9
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	20	1.9
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	2	1.9
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	20	1.9
(1,43)	1:A:32:PHE:N	1:A:32:PHE:CA	1:A:32:PHE:C	1:A:33:GLN:N	12	1.9
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	11	1.9
(1,397)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	1	1.9
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	14	1.9
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	5	1.9
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	15	1.9
(1,36)	1:A:27:ASN:C	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	6	1.9
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	3	1.9
(1,355)	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	1:B:64:VAL:N	1	1.9
(1,355)	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	1:B:64:VAL:N	7	1.9
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	2	1.9
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	12	1.9
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	3	1.9
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	3	1.9
(1,3)	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	1:A:11:PHE:N	19	1.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	5	1.9
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	20	1.9
(1,247)	1:A:139:ASN:N	1:A:139:ASN:CA	1:A:139:ASN:C	1:A:140:TYR:N	17	1.9
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	2	1.9
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	2	1.9
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	15	1.9
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	15	1.9
(1,163)	1:A:93:GLN:N	1:A:93:GLN:CA	1:A:93:GLN:C	1:A:94:MET:N	1	1.9
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	4	1.9
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	3	1.9
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	8	1.9
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	2	1.9
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	18	1.9
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	16	1.9
(1,972)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	8	1.8
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	7	1.8
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	9	1.8
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	6	1.8
(1,877)	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	1:D:91:GLY:N	19	1.8
(1,868)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	5	1.8
(1,866)	1:D:84:PHE:C	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	6	1.8
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	3	1.8
(1,859)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	16	1.8
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	1	1.8
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	8	1.8
(1,832)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	6	1.8
(1,828)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	11	1.8
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	20	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,822)	1:D:62:VAL:C	1:D:63:THR:N	1:D:63:THR:CA	1:D:63:THR:C	2	1.8
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	18	1.8
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	9	1.8
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	5	1.8
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	9	1.8
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	20	1.8
(1,754)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	6	1.8
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	10	1.8
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	3	1.8
(1,718)	1:C:138:MET:C	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	13	1.8
(1,714)	1:C:136:LEU:C	1:C:137:PHE:N	1:C:137:PHE:CA	1:C:137:PHE:C	11	1.8
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	14	1.8
(1,708)	1:C:132:ASN:C	1:C:133:PHE:N	1:C:133:PHE:CA	1:C:133:PHE:C	12	1.8
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	5	1.8
(1,683)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	6	1.8
(1,658)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	17	1.8
(1,654)	1:C:98:LEU:C	1:C:99:GLY:N	1:C:99:GLY:CA	1:C:99:GLY:C	10	1.8
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	18	1.8
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	10	1.8
(1,630)	1:C:80:GLN:C	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	10	1.8
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	12	1.8
(1,601)	1:C:66:ALA:N	1:C:66:ALA:CA	1:C:66:ALA:C	1:C:67:SER:N	19	1.8
(1,596)	1:C:63:THR:C	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	8	1.8
(1,587)	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	1:C:60:LEU:N	19	1.8
(1,583)	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	1:C:58:VAL:N	17	1.8
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	12	1.8
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	13	1.8
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	6	1.8
(1,555)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	3	1.8
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	3	1.8
(1,549)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	19	1.8
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1	1.8
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	5	1.8
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	9	1.8
(1,512)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	13	1.8
(1,507)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	16	1.8
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	6	1.8
(1,498)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	5	1.8
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	14	1.8
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	6	1.8
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	2	1.8
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	10	1.8
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	11	1.8
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	12	1.8
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	20	1.8
(1,405)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	6	1.8
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	20	1.8
(1,390)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	7	1.8
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	10	1.8
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	19	1.8
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	3	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,37)	1:A:28:ALA:N	1:A:28:ALA:CA	1:A:28:ALA:C	1:A:29:PRO:N	11	1.8
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	1	1.8
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	9	1.8
(1,357)	1:B:64:VAL:N	1:B:64:VAL:CA	1:B:64:VAL:C	1:B:65:THR:N	15	1.8
(1,345)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	15	1.8
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	11	1.8
(1,331)	1:B:51:LEU:N	1:B:51:LEU:CA	1:B:51:LEU:C	1:B:52:ALA:N	10	1.8
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	17	1.8
(1,322)	1:B:46:THR:C	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	9	1.8
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	3	1.8
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	12	1.8
(1,318)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	19	1.8
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	1	1.8
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	19	1.8
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	2	1.8
(1,3)	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	1:A:11:PHE:N	14	1.8
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	12	1.8
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	17	1.8
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	4	1.8
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	5	1.8
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	10	1.8
(1,275)	1:B:19:LYS:N	1:B:19:LYS:CA	1:B:19:LYS:C	1:B:20:ASP:N	7	1.8
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	12	1.8
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	16	1.8
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	14	1.8
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	17	1.8
(1,227)	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	1:A:129:ALA:N	9	1.8
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	13	1.8
(1,219)	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	1:A:124:PRO:N	5	1.8
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	17	1.8
(1,174)	1:A:98:LEU:C	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	15	1.8
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	10	1.8
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	12	1.8
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	6	1.8
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	18	1.8
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	19	1.8
(1,944)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	9	1.7
(1,91)	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	1:A:58:VAL:N	20	1.7
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	16	1.7
(1,866)	1:D:84:PHE:C	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	18	1.7
(1,854)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	5	1.7
(1,833)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	16	1.7
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	10	1.7
(1,810)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	19	1.7
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	6	1.7
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	11	1.7
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	20	1.7
(1,784)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1	1.7
(1,782)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	4	1.7
(1,771)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	20	1.7
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	7	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,766)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	9	1.7
(1,728)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	4	1.7
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	17	1.7
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	9	1.7
(1,704)	1:C:127:ASN:C	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	17	1.7
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	11	1.7
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	18	1.7
(1,702)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	20	1.7
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	18	1.7
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	19	1.7
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	19	1.7
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	12	1.7
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	14	1.7
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	18	1.7
(1,623)	1:C:77:GLU:N	1:C:77:GLU:CA	1:C:77:GLU:C	1:C:78:VAL:N	7	1.7
(1,571)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	3	1.7
(1,564)	1:C:46:THR:C	1:C:47:ALA:N	1:C:47:ALA:CA	1:C:47:ALA:C	17	1.7
(1,556)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	9	1.7
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	16	1.7
(1,542)	1:C:32:PHE:C	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	13	1.7
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	13	1.7
(1,534)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	7	1.7
(1,533)	1:C:27:ASN:N	1:C:27:ASN:CA	1:C:27:ASN:C	1:C:28:ALA:N	10	1.7
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	12	1.7
(1,525)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	9	1.7
(1,520)	1:C:19:LYS:C	1:C:20:ASP:N	1:C:20:ASP:CA	1:C:20:ASP:C	12	1.7
(1,509)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	8	1.7
(1,505)	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	1:C:13:ILE:N	19	1.7
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	17	1.7
(1,497)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	15	1.7
(1,492)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	9	1.7
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	12	1.7
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	14	1.7
(1,474)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	3	1.7
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	5	1.7
(1,427)	1:B:99:GLY:N	1:B:99:GLY:CA	1:B:99:GLY:C	1:B:100:ALA:N	3	1.7
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	16	1.7
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	4	1.7
(1,403)	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1:B:88:GLY:N	20	1.7
(1,399)	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	1:B:86:ILE:N	5	1.7
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	4	1.7
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	6	1.7
(1,384)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	2	1.7
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	7	1.7
(1,371)	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	1:B:72:THR:N	9	1.7
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	18	1.7
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	16	1.7
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	13	1.7
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	18	1.7
(1,328)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	7	1.7
(1,323)	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	1:B:48:SER:N	16	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	11	1.7
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	2	1.7
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	12	1.7
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	3	1.7
(1,29)	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	1:A:24:GLU:N	15	1.7
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	5	1.7
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	15	1.7
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	5	1.7
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	17	1.7
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	4	1.7
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	19	1.7
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	11	1.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	11	1.7
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	12	1.7
(1,221)	1:A:125:GLN:N	1:A:125:GLN:CA	1:A:125:GLN:C	1:A:126:LEU:N	11	1.7
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	18	1.7
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	6	1.7
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	15	1.7
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	2	1.7
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	8	1.7
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	9	1.7
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	2	1.7
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	16	1.7
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	17	1.7
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	13	1.6
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	20	1.6
(1,875)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:GLU:N	9	1.6
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	2	1.6
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	10	1.6
(1,867)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	17	1.6
(1,867)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	19	1.6
(1,856)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	16	1.6
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	14	1.6
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	18	1.6
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	2	1.6
(1,789)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	4	1.6
(1,787)	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	1:D:46:THR:N	13	1.6
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1	1.6
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	19	1.6
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	10	1.6
(1,776)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	16	1.6
(1,77)	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	1:A:51:LEU:N	18	1.6
(1,760)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	12	1.6
(1,749)	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	1:D:24:GLU:N	12	1.6
(1,730)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	14	1.6
(1,727)	1:D:11:PHE:N	1:D:11:PHE:CA	1:D:11:PHE:C	1:D:12:GLN:N	14	1.6
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	14	1.6
(1,717)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	4	1.6
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	8	1.6
(1,706)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	3	1.6
(1,7)	1:A:12:GLN:N	1:A:12:GLN:CA	1:A:12:GLN:C	1:A:13:ILE:N	6	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,658)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	12	1.6
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	19	1.6
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	7	1.6
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	19	1.6
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	3	1.6
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	20	1.6
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	13	1.6
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	3	1.6
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	11	1.6
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	11	1.6
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	15	1.6
(1,566)	1:C:47:ALA:C	1:C:48:SER:N	1:C:48:SER:CA	1:C:48:SER:C	17	1.6
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	17	1.6
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	20	1.6
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	12	1.6
(1,542)	1:C:32:PHE:C	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1	1.6
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	15	1.6
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	8	1.6
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	7	1.6
(1,529)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	5	1.6
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	9	1.6
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	17	1.6
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	13	1.6
(1,456)	1:B:115:THR:C	1:B:116:SER:N	1:B:116:SER:CA	1:B:116:SER:C	6	1.6
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	12	1.6
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	6	1.6
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	14	1.6
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	4	1.6
(1,389)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	2	1.6
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	17	1.6
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	15	1.6
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	3	1.6
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	10	1.6
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	9	1.6
(1,346)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	18	1.6
(1,343)	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	1:B:58:VAL:N	13	1.6
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	3	1.6
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	9	1.6
(1,338)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	11	1.6
(1,323)	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	1:B:48:SER:N	8	1.6
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	20	1.6
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	5	1.6
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	2	1.6
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	10	1.6
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	20	1.6
(1,297)	1:B:32:PHE:N	1:B:32:PHE:CA	1:B:32:PHE:C	1:B:33:GLN:N	17	1.6
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	10	1.6
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	15	1.6
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	10	1.6
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	1	1.6
(1,247)	1:A:139:ASN:N	1:A:139:ASN:CA	1:A:139:ASN:C	1:A:140:TYR:N	12	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	1	1.6
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	18	1.6
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	3	1.6
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	8	1.6
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	17	1.6
(1,148)	1:A:85:SER:C	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	10	1.6
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	8	1.6
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	18	1.6
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	13	1.6
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	8	1.6
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	7	1.6
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	8	1.6
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	5	1.6
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	8	1.6
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	8	1.6
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	17	1.6
(1,126)	1:A:74:PHE:C	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1	1.6
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	3	1.6
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	15	1.6
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	9	1.5
(1,962)	1:D:136:LEU:C	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	4	1.5
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	3	1.5
(1,947)	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	1:D:129:ALA:N	11	1.5
(1,946)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	4	1.5
(1,941)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	20	1.5
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	16	1.5
(1,935)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	4	1.5
(1,935)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	19	1.5
(1,935)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	20	1.5
(1,893)	1:D:98:LEU:N	1:D:98:LEU:CA	1:D:98:LEU:C	1:D:99:GLY:N	12	1.5
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	13	1.5
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	7	1.5
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	14	1.5
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	12	1.5
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	8	1.5
(1,826)	1:D:64:VAL:C	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	15	1.5
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	5	1.5
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	6	1.5
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	3	1.5
(1,808)	1:D:55:VAL:C	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	6	1.5
(1,808)	1:D:55:VAL:C	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	17	1.5
(1,806)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	18	1.5
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	3	1.5
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	20	1.5
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	14	1.5
(1,780)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	17	1.5
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	19	1.5
(1,763)	1:D:32:PHE:N	1:D:32:PHE:CA	1:D:32:PHE:C	1:D:33:GLN:N	10	1.5
(1,761)	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	1:D:32:PHE:N	6	1.5
(1,723)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	11	1.5
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	2	1.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,709)	1:C:133:PHE:N	1:C:133:PHE:CA	1:C:133:PHE:C	1:C:134:ASP:N	15	1.5
(1,705)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	1	1.5
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	12	1.5
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	20	1.5
(1,622)	1:C:76:CYS:C	1:C:77:GLU:N	1:C:77:GLU:CA	1:C:77:GLU:C	12	1.5
(1,619)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	3	1.5
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	8	1.5
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	16	1.5
(1,605)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	1	1.5
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	5	1.5
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	13	1.5
(1,593)	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	1:C:63:THR:N	7	1.5
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	2	1.5
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	4	1.5
(1,556)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	17	1.5
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	16	1.5
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	5	1.5
(1,551)	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	1:C:38:PRO:N	2	1.5
(1,551)	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	1:C:38:PRO:N	12	1.5
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	18	1.5
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	14	1.5
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	11	1.5
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	18	1.5
(1,527)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	5	1.5
(1,527)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	8	1.5
(1,501)	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	1:C:11:PHE:N	18	1.5
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	4	1.5
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	9	1.5
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	18	1.5
(1,492)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	20	1.5
(1,481)	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	1:B:133:PHE:N	17	1.5
(1,480)	1:B:131:VAL:C	1:B:132:ASN:N	1:B:132:ASN:CA	1:B:132:ASN:C	8	1.5
(1,478)	1:B:127:ASN:C	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	12	1.5
(1,473)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	3	1.5
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1	1.5
(1,472)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	12	1.5
(1,424)	1:B:97:CYS:C	1:B:98:LEU:N	1:B:98:LEU:CA	1:B:98:LEU:C	9	1.5
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	9	1.5
(1,407)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	7	1.5
(1,403)	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1:B:88:GLY:N	2	1.5
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	4	1.5
(1,401)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	10	1.5
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	2	1.5
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	9	1.5
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	11	1.5
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	7	1.5
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	15	1.5
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	15	1.5
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	7	1.5
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	8	1.5
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	5	1.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,359)	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	1:B:66:ALA:N	19	1.5
(1,358)	1:B:64:VAL:C	1:B:65:THR:N	1:B:65:THR:CA	1:B:65:THR:C	18	1.5
(1,354)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	3	1.5
(1,351)	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	1:B:62:VAL:N	8	1.5
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	13	1.5
(1,348)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	15	1.5
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	9	1.5
(1,320)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1	1.5
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	5	1.5
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	15	1.5
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	10	1.5
(1,29)	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	1:A:24:GLU:N	20	1.5
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	8	1.5
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	14	1.5
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	2	1.5
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	2	1.5
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	11	1.5
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	6	1.5
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	5	1.5
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	7	1.5
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	1	1.5
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	4	1.5
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	2	1.5
(1,245)	1:A:138:MET:N	1:A:138:MET:CA	1:A:138:MET:C	1:A:139:ASN:N	10	1.5
(1,163)	1:A:93:GLN:N	1:A:93:GLN:CA	1:A:93:GLN:C	1:A:94:MET:N	7	1.5
(1,160)	1:A:91:GLY:C	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1	1.5
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	13	1.5
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	2	1.5
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	12	1.5
(1,151)	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	1:A:88:GLY:N	11	1.5
(1,148)	1:A:85:SER:C	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	18	1.5
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	10	1.5
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	11	1.5
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	10	1.5
(1,118)	1:A:70:GLU:C	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	7	1.5
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	13	1.5
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	2	1.5
(1,110)	1:A:66:ALA:C	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	6	1.5
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	7	1.5
(1,972)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	13	1.4
(1,962)	1:D:136:LEU:C	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	6	1.4
(1,951)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	5	1.4
(1,942)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	12	1.4
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	13	1.4
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	20	1.4
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	12	1.4
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	17	1.4
(1,891)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	20	1.4
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	4	1.4
(1,873)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	12	1.4
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	12	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	14	1.4
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	18	1.4
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	12	1.4
(1,859)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	9	1.4
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	5	1.4
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	12	1.4
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	14	1.4
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	20	1.4
(1,825)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	10	1.4
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	15	1.4
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	18	1.4
(1,805)	1:D:54:ASP:N	1:D:54:ASP:CA	1:D:54:ASP:C	1:D:55:VAL:N	11	1.4
(1,80)	1:A:51:LEU:C	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	2	1.4
(1,785)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	15	1.4
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	11	1.4
(1,770)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	8	1.4
(1,768)	1:D:34:LYS:C	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	5	1.4
(1,766)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	2	1.4
(1,754)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	7	1.4
(1,753)	1:D:25:ALA:N	1:D:25:ALA:CA	1:D:25:ALA:C	1:D:26:PRO:N	19	1.4
(1,752)	1:D:24:GLU:C	1:D:25:ALA:N	1:D:25:ALA:CA	1:D:25:ALA:C	10	1.4
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	18	1.4
(1,749)	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	1:D:24:GLU:N	4	1.4
(1,735)	1:D:15:ARG:N	1:D:15:ARG:CA	1:D:15:ARG:C	1:D:16:ILE:N	6	1.4
(1,724)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	2	1.4
(1,721)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	20	1.4
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	14	1.4
(1,701)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	1	1.4
(1,700)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	20	1.4
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1	1.4
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	7	1.4
(1,631)	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	1:C:82:GLY:N	19	1.4
(1,62)	1:A:42:LEU:C	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	7	1.4
(1,619)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	9	1.4
(1,611)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	16	1.4
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	4	1.4
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	15	1.4
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	17	1.4
(1,598)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	5	1.4
(1,595)	1:C:63:THR:N	1:C:63:THR:CA	1:C:63:THR:C	1:C:64:VAL:N	16	1.4
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	11	1.4
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	1	1.4
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	10	1.4
(1,539)	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	1:C:32:PHE:N	13	1.4
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	8	1.4
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	4	1.4
(1,530)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	5	1.4
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	3	1.4
(1,501)	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	1:C:11:PHE:N	12	1.4
(1,495)	1:B:140:TYR:N	1:B:140:TYR:CA	1:B:140:TYR:C	1:B:141:LEU:N	17	1.4
(1,493)	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	1:B:140:TYR:N	5	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	4	1.4
(1,475)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	2	1.4
(1,474)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	20	1.4
(1,422)	1:B:96:HIS:C	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	16	1.4
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	19	1.4
(1,410)	1:B:90:GLU:C	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	5	1.4
(1,410)	1:B:90:GLU:C	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	14	1.4
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	9	1.4
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	3	1.4
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	15	1.4
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	15	1.4
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	20	1.4
(1,389)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	19	1.4
(1,383)	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	1:B:78:VAL:N	16	1.4
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	19	1.4
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	3	1.4
(1,365)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	14	1.4
(1,360)	1:B:65:THR:C	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	6	1.4
(1,351)	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	1:B:62:VAL:N	17	1.4
(1,327)	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	1:B:50:GLN:N	2	1.4
(1,325)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	4	1.4
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	16	1.4
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	7	1.4
(1,311)	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	1:B:41:LYS:N	16	1.4
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	4	1.4
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	13	1.4
(1,288)	1:B:26:PRO:C	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	15	1.4
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	8	1.4
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	8	1.4
(1,258)	1:B:10:THR:C	1:B:11:PHE:N	1:B:11:PHE:CA	1:B:11:PHE:C	15	1.4
(1,243)	1:A:137:PHE:N	1:A:137:PHE:CA	1:A:137:PHE:C	1:A:138:MET:N	17	1.4
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	18	1.4
(1,22)	1:A:19:LYS:C	1:A:20:ASP:N	1:A:20:ASP:CA	1:A:20:ASP:C	7	1.4
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	8	1.4
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	14	1.4
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	16	1.4
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	6	1.4
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	19	1.4
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1	1.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	10	1.4
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	17	1.3
(1,975)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	9	1.3
(1,941)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	10	1.3
(1,92)	1:A:57:GLU:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	17	1.3
(1,9)	1:A:13:ILE:N	1:A:13:ILE:CA	1:A:13:ILE:C	1:A:14:GLN:N	16	1.3
(1,893)	1:D:98:LEU:N	1:D:98:LEU:CA	1:D:98:LEU:C	1:D:99:GLY:N	19	1.3
(1,889)	1:D:96:HIS:N	1:D:96:HIS:CA	1:D:96:HIS:C	1:D:97:CYS:N	6	1.3
(1,853)	1:D:78:VAL:N	1:D:78:VAL:CA	1:D:78:VAL:C	1:D:79:GLN:N	7	1.3
(1,853)	1:D:78:VAL:N	1:D:78:VAL:CA	1:D:78:VAL:C	1:D:79:GLN:N	16	1.3
(1,851)	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	1:D:78:VAL:N	3	1.3
(1,846)	1:D:74:PHE:C	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	8	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,835)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	7	1.3
(1,822)	1:D:62:VAL:C	1:D:63:THR:N	1:D:63:THR:CA	1:D:63:THR:C	9	1.3
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	4	1.3
(1,795)	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	1:D:50:GLN:N	1	1.3
(1,79)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	15	1.3
(1,778)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	7	1.3
(1,777)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	18	1.3
(1,768)	1:D:34:LYS:C	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	13	1.3
(1,767)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	11	1.3
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	1	1.3
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	17	1.3
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	1	1.3
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	4	1.3
(1,727)	1:D:11:PHE:N	1:D:11:PHE:CA	1:D:11:PHE:C	1:D:12:GLN:N	20	1.3
(1,715)	1:C:137:PHE:N	1:C:137:PHE:CA	1:C:137:PHE:C	1:C:138:MET:N	3	1.3
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	1	1.3
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	4	1.3
(1,676)	1:C:111:ARG:C	1:C:112:GLU:N	1:C:112:GLU:CA	1:C:112:GLU:C	13	1.3
(1,655)	1:C:99:GLY:N	1:C:99:GLY:CA	1:C:99:GLY:C	1:C:100:ALA:N	8	1.3
(1,642)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	3	1.3
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	18	1.3
(1,637)	1:C:84:PHE:N	1:C:84:PHE:CA	1:C:84:PHE:C	1:C:85:SER:N	4	1.3
(1,633)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	7	1.3
(1,626)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	6	1.3
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	15	1.3
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	16	1.3
(1,599)	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	1:C:66:ALA:N	9	1.3
(1,598)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	16	1.3
(1,592)	1:C:61:ARG:C	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	5	1.3
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	4	1.3
(1,582)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	5	1.3
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	2	1.3
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	15	1.3
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	14	1.3
(1,558)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	7	1.3
(1,558)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	18	1.3
(1,554)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	13	1.3
(1,552)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	11	1.3
(1,548)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	12	1.3
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	4	1.3
(1,543)	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	1:C:34:LYS:N	19	1.3
(1,538)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	15	1.3
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	8	1.3
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	14	1.3
(1,502)	1:C:10:THR:C	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	3	1.3
(1,498)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	17	1.3
(1,492)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	11	1.3
(1,491)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	3	1.3
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	16	1.3
(1,423)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	14	1.3
(1,412)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	16	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	10	1.3
(1,391)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	3	1.3
(1,390)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1	1.3
(1,390)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	15	1.3
(1,382)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	3	1.3
(1,381)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	6	1.3
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	10	1.3
(1,367)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	11	1.3
(1,360)	1:B:65:THR:C	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	12	1.3
(1,345)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	18	1.3
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	12	1.3
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	2	1.3
(1,326)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	2	1.3
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	11	1.3
(1,324)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	12	1.3
(1,321)	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1:B:47:ALA:N	17	1.3
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	17	1.3
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	9	1.3
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	8	1.3
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	8	1.3
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	15	1.3
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	6	1.3
(1,227)	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	1:A:129:ALA:N	5	1.3
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	9	1.3
(1,22)	1:A:19:LYS:C	1:A:20:ASP:N	1:A:20:ASP:CA	1:A:20:ASP:C	14	1.3
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	18	1.3
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	17	1.3
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	15	1.3
(1,124)	1:A:73:ALA:C	1:A:74:PHE:N	1:A:74:PHE:CA	1:A:74:PHE:C	13	1.3
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	13	1.3
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	1	1.2
(1,972)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	10	1.2
(1,947)	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	1:D:129:ALA:N	4	1.2
(1,946)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	18	1.2
(1,935)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	15	1.2
(1,895)	1:D:99:GLY:N	1:D:99:GLY:CA	1:D:99:GLY:C	1:D:100:ALA:N	15	1.2
(1,872)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	17	1.2
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	15	1.2
(1,856)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	7	1.2
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	7	1.2
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	17	1.2
(1,827)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	7	1.2
(1,812)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	14	1.2
(1,809)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	19	1.2
(1,808)	1:D:55:VAL:C	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1	1.2
(1,8)	1:A:12:GLN:C	1:A:13:ILE:N	1:A:13:ILE:CA	1:A:13:ILE:C	5	1.2
(1,793)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	9	1.2
(1,789)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	2	1.2
(1,784)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	11	1.2
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	17	1.2
(1,775)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	13	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,769)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	12	1.2
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	3	1.2
(1,752)	1:D:24:GLU:C	1:D:25:ALA:N	1:D:25:ALA:CA	1:D:25:ALA:C	12	1.2
(1,750)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	3	1.2
(1,729)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	15	1.2
(1,720)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	20	1.2
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	5	1.2
(1,719)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	16	1.2
(1,718)	1:C:138:MET:C	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	11	1.2
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	6	1.2
(1,707)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	10	1.2
(1,691)	1:C:119:SER:N	1:C:119:SER:CA	1:C:119:SER:C	1:C:120:ARG:N	16	1.2
(1,676)	1:C:111:ARG:C	1:C:112:GLU:N	1:C:112:GLU:CA	1:C:112:GLU:C	16	1.2
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	18	1.2
(1,625)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	1	1.2
(1,622)	1:C:76:CYS:C	1:C:77:GLU:N	1:C:77:GLU:CA	1:C:77:GLU:C	4	1.2
(1,621)	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	1:C:77:GLU:N	8	1.2
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	19	1.2
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	9	1.2
(1,606)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	7	1.2
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	6	1.2
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	8	1.2
(1,595)	1:C:63:THR:N	1:C:63:THR:CA	1:C:63:THR:C	1:C:64:VAL:N	9	1.2
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	17	1.2
(1,591)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	18	1.2
(1,586)	1:C:58:VAL:C	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	14	1.2
(1,583)	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	1:C:58:VAL:N	13	1.2
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	14	1.2
(1,560)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	18	1.2
(1,555)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	7	1.2
(1,551)	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	1:C:38:PRO:N	15	1.2
(1,544)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	4	1.2
(1,541)	1:C:32:PHE:N	1:C:32:PHE:CA	1:C:32:PHE:C	1:C:33:GLN:N	4	1.2
(1,537)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	15	1.2
(1,536)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	18	1.2
(1,528)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	5	1.2
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	12	1.2
(1,504)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	13	1.2
(1,503)	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	1:C:12:GLN:N	7	1.2
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	16	1.2
(1,498)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	19	1.2
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	10	1.2
(1,476)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	14	1.2
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	5	1.2
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	9	1.2
(1,46)	1:A:33:GLN:C	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	20	1.2
(1,455)	1:B:115:THR:N	1:B:115:THR:CA	1:B:115:THR:C	1:B:116:SER:N	13	1.2
(1,42)	1:A:31:VAL:C	1:A:32:PHE:N	1:A:32:PHE:CA	1:A:32:PHE:C	2	1.2
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	12	1.2
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	9	1.2
(1,402)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	19	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	5	1.2
(1,394)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	1	1.2
(1,389)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	20	1.2
(1,384)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	13	1.2
(1,379)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	11	1.2
(1,370)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	13	1.2
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	1	1.2
(1,369)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	2	1.2
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1	1.2
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	9	1.2
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	19	1.2
(1,329)	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	1:B:51:LEU:N	12	1.2
(1,326)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	11	1.2
(1,322)	1:B:46:THR:C	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	3	1.2
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	19	1.2
(1,298)	1:B:32:PHE:C	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	4	1.2
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	7	1.2
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	15	1.2
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	14	1.2
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	14	1.2
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	10	1.2
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	20	1.2
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	17	1.2
(1,180)	1:A:101:TYR:C	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	13	1.2
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	17	1.2
(1,163)	1:A:93:GLN:N	1:A:93:GLN:CA	1:A:93:GLN:C	1:A:94:MET:N	4	1.2
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	14	1.2
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	13	1.2
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	20	1.2
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	10	1.2
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	18	1.2
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	4	1.2
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	4	1.2
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	16	1.2
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	12	1.2
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	15	1.2
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	16	1.2
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	20	1.2
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	17	1.2
(1,13)	1:A:15:ARG:N	1:A:15:ARG:CA	1:A:15:ARG:C	1:A:16:ILE:N	8	1.2
(1,118)	1:A:70:GLU:C	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1	1.2
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	7	1.2
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	10	1.2
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	11	1.2
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	8	1.1
(1,976)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	19	1.1
(1,974)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	7	1.1
(1,973)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	3	1.1
(1,971)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	13	1.1
(1,947)	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	1:D:129:ALA:N	16	1.1
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	3	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,895)	1:D:99:GLY:N	1:D:99:GLY:CA	1:D:99:GLY:C	1:D:100:ALA:N	3	1.1
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	4	1.1
(1,876)	1:D:89:ILE:C	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	6	1.1
(1,865)	1:D:84:PHE:N	1:D:84:PHE:CA	1:D:84:PHE:C	1:D:85:SER:N	10	1.1
(1,862)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	1	1.1
(1,861)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	9	1.1
(1,856)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	8	1.1
(1,850)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	3	1.1
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	3	1.1
(1,848)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	13	1.1
(1,847)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	13	1.1
(1,811)	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	1:D:58:VAL:N	4	1.1
(1,811)	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	1:D:58:VAL:N	14	1.1
(1,798)	1:D:50:GLN:C	1:D:51:LEU:N	1:D:51:LEU:CA	1:D:51:LEU:C	9	1.1
(1,797)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	17	1.1
(1,790)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	4	1.1
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	3	1.1
(1,781)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	19	1.1
(1,778)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	9	1.1
(1,756)	1:D:27:ASN:C	1:D:28:ALA:N	1:D:28:ALA:CA	1:D:28:ALA:C	11	1.1
(1,756)	1:D:27:ASN:C	1:D:28:ALA:N	1:D:28:ALA:CA	1:D:28:ALA:C	16	1.1
(1,754)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	11	1.1
(1,751)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	13	1.1
(1,750)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	5	1.1
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	8	1.1
(1,733)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	12	1.1
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	13	1.1
(1,731)	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	1:D:14:GLN:N	18	1.1
(1,700)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	10	1.1
(1,70)	1:A:46:THR:C	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	15	1.1
(1,683)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	11	1.1
(1,657)	1:C:100:ALA:N	1:C:100:ALA:CA	1:C:100:ALA:C	1:C:101:TYR:N	13	1.1
(1,653)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	17	1.1
(1,643)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	5	1.1
(1,641)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	7	1.1
(1,640)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	11	1.1
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	10	1.1
(1,631)	1:C:81:GLY:N	1:C:81:GLY:CA	1:C:81:GLY:C	1:C:82:GLY:N	4	1.1
(1,619)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	20	1.1
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	7	1.1
(1,609)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	15	1.1
(1,608)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	6	1.1
(1,604)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	10	1.1
(1,592)	1:C:61:ARG:C	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	1	1.1
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	8	1.1
(1,588)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	12	1.1
(1,584)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	11	1.1
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	3	1.1
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	7	1.1
(1,568)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	3	1.1
(1,563)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	5	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,562)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	6	1.1
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	10	1.1
(1,525)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	4	1.1
(1,512)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	7	1.1
(1,499)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	5	1.1
(1,498)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	13	1.1
(1,477)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	18	1.1
(1,470)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	11	1.1
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	11	1.1
(1,409)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	20	1.1
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1	1.1
(1,408)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	18	1.1
(1,403)	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	1:B:88:GLY:N	12	1.1
(1,400)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	4	1.1
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	10	1.1
(1,398)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	15	1.1
(1,393)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	6	1.1
(1,360)	1:B:65:THR:C	1:B:66:ALA:N	1:B:66:ALA:CA	1:B:66:ALA:C	14	1.1
(1,352)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	13	1.1
(1,342)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	1	1.1
(1,341)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	8	1.1
(1,340)	1:B:55:VAL:C	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	13	1.1
(1,337)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	6	1.1
(1,327)	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	1:B:50:GLN:N	15	1.1
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	19	1.1
(1,319)	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	1:B:46:THR:N	16	1.1
(1,318)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	14	1.1
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	6	1.1
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	11	1.1
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	19	1.1
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	11	1.1
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	10	1.1
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	13	1.1
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	13	1.1
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	11	1.1
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	20	1.1
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	3	1.1
(1,247)	1:A:139:ASN:N	1:A:139:ASN:CA	1:A:139:ASN:C	1:A:140:TYR:N	3	1.1
(1,218)	1:A:122:THR:C	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	11	1.1
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	10	1.1
(1,164)	1:A:93:GLN:C	1:A:94:MET:N	1:A:94:MET:CA	1:A:94:MET:C	14	1.1
(1,148)	1:A:85:SER:C	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	5	1.1
(1,147)	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	1:A:86:ILE:N	19	1.1
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	7	1.1
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	5	1.1
(1,135)	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	1:A:80:GLN:N	13	1.1
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	9	1.1
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	5	1.1
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	5	1.1
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	4	1.1
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	7	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	11	1.1
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	14	1.1