



Full wwPDB NMR Structure Validation Report ⓘ

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PDB ID : 2LSY / pdb_00002lsy
BMRB ID : 18455
Title : Structure of the C-terminal domain from human REV1
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Deposited on : 2012-05-09

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

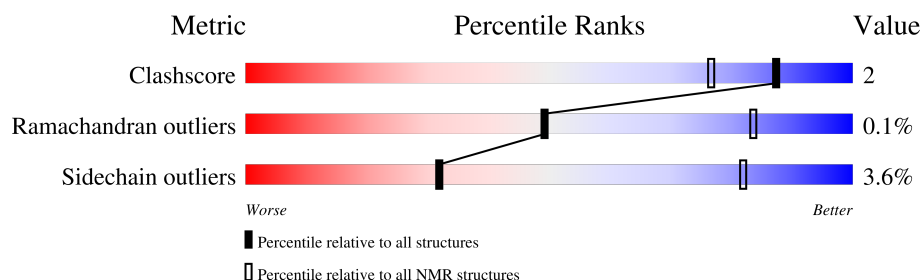
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 84%.

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



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

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	95	 91% • 6%

2 Ensemble composition and analysis

This entry contains 20 models. Model 18 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:1159-A:1247 (89)	0.58	18

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 3 clusters and 4 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1554 atoms, of which 783 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called DNA repair protein REV1.

Mol	Chain	Residues	Atoms						Trace
1	A	95	Total	C	H	N	O	S	0
			1554	494	783	120	152	5	

There is a discrepancy between the modelled and reference sequences:

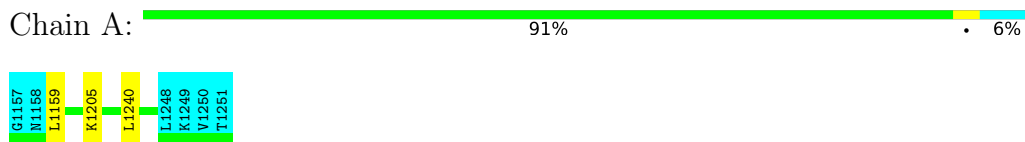
Chain	Residue	Modelled	Actual	Comment	Reference
A	1157	GLY	-	expression tag	UNP Q9UBZ9

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: DNA repair protein REV1

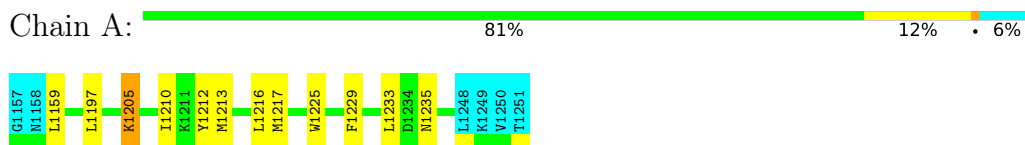


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

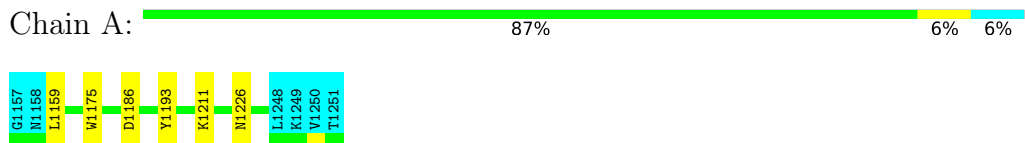
4.2.1 Score per residue for model 1

- Molecule 1: DNA repair protein REV1



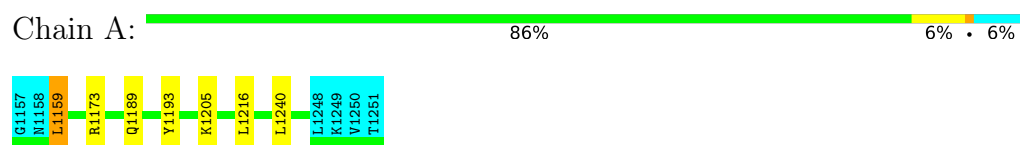
4.2.2 Score per residue for model 2

- Molecule 1: DNA repair protein REV1



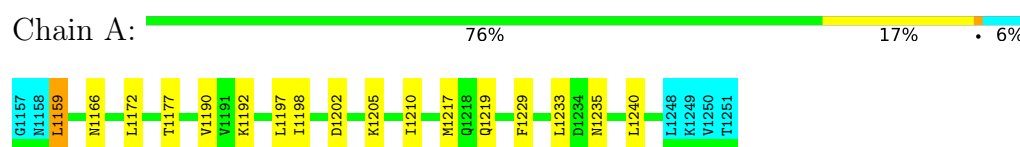
4.2.3 Score per residue for model 3

- Molecule 1: DNA repair protein REV1



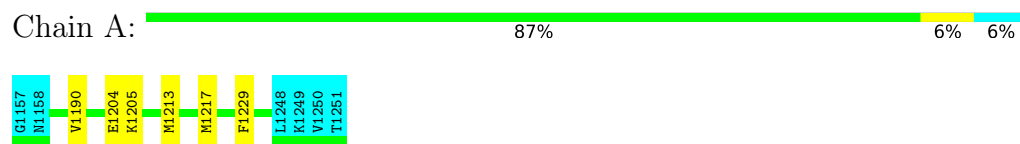
4.2.4 Score per residue for model 4

- Molecule 1: DNA repair protein REV1



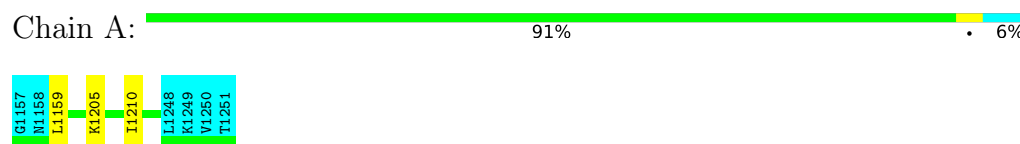
4.2.5 Score per residue for model 5

- Molecule 1: DNA repair protein REV1



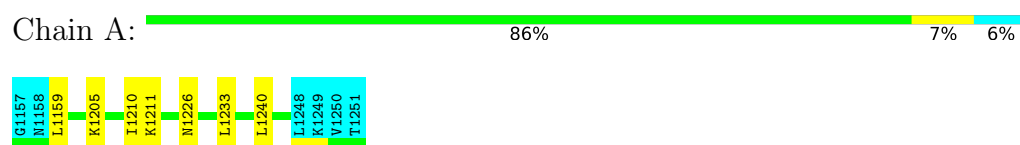
4.2.6 Score per residue for model 6

- Molecule 1: DNA repair protein REV1



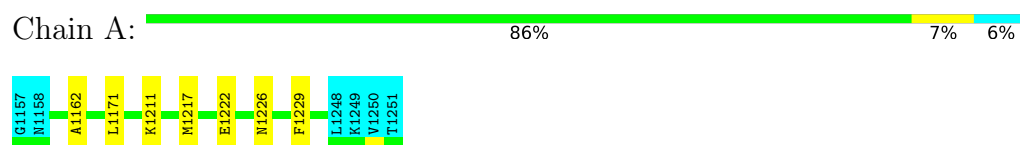
4.2.7 Score per residue for model 7

- Molecule 1: DNA repair protein REV1



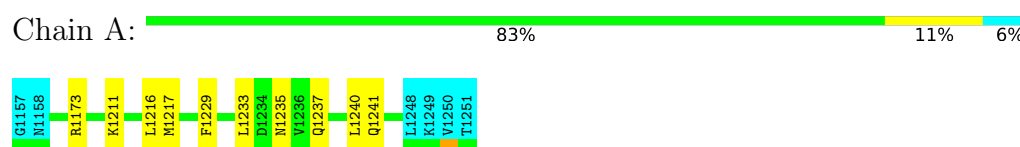
4.2.8 Score per residue for model 8

- Molecule 1: DNA repair protein REV1



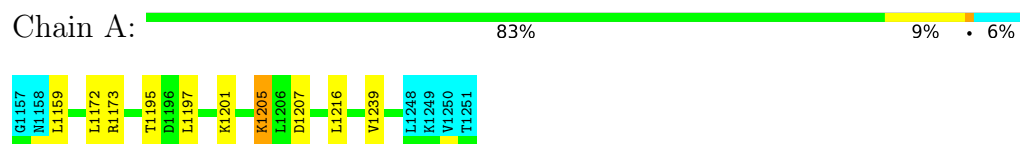
4.2.9 Score per residue for model 9

- Molecule 1: DNA repair protein REV1



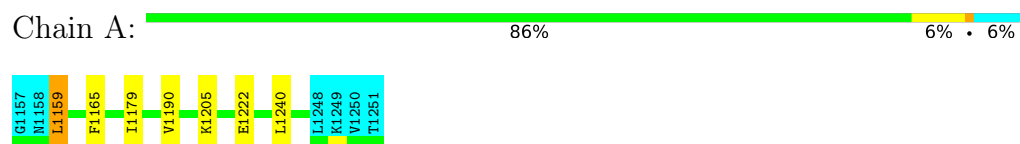
4.2.10 Score per residue for model 10

- Molecule 1: DNA repair protein REV1



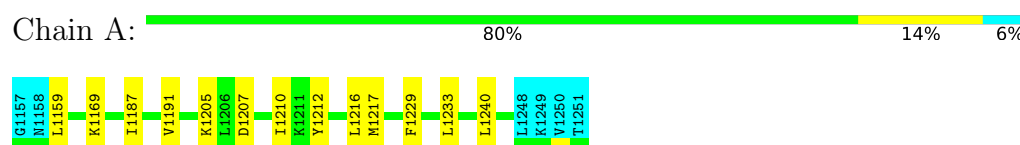
4.2.11 Score per residue for model 11

- Molecule 1: DNA repair protein REV1



4.2.12 Score per residue for model 12

- Molecule 1: DNA repair protein REV1



4.2.13 Score per residue for model 13

- Molecule 1: DNA repair protein REV1

Chain A:  89% • 6%



4.2.14 Score per residue for model 14

- Molecule 1: DNA repair protein REV1

Chain A:  84% 9% • 6%



4.2.15 Score per residue for model 15

- Molecule 1: DNA repair protein REV1

Chain A:  83% 9% • 6%



4.2.16 Score per residue for model 16

- Molecule 1: DNA repair protein REV1

Chain A:  83% 9% • 6%



4.2.17 Score per residue for model 17

- Molecule 1: DNA repair protein REV1

Chain A:  85% 7% • 6%



4.2.18 Score per residue for model 18 (medoid)

- Molecule 1: DNA repair protein REV1

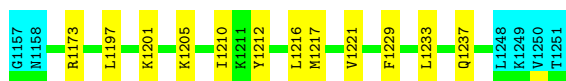
Chain A:  86% 7% 6%



4.2.19 Score per residue for model 19

- Molecule 1: DNA repair protein REV1

Chain A:  81% 13% 6%



4.2.20 Score per residue for model 20

- Molecule 1: DNA repair protein REV1

Chain A:  89% • 6%



5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing*.

Of the 20 calculated structures, 20 were deposited, based on the following criterion: *all calculated structures submitted*.

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

Software name	Classification	Version
CYANA	structure solution	
CNS	refinement	

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	1
Total number of shifts	1127
Number of shifts mapped to atoms	1127
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	84%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.23±0.02	0±0/738 (0.0± 0.1%)	1.04±0.02	0±0/1001 (0.0± 0.0%)
All	All	1.23	4/14760 (0.0%)	1.04	0/20020 (0.0%)

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	1179	ILE	CA-CB	5.28	1.59	1.53	11	2
1	A	1198	ILE	CA-CB	5.08	1.60	1.54	4	1
1	A	1210	ILE	CA-CB	5.03	1.59	1.54	6	1

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in each chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	727	732	732	3±2
All	All	14540	14640	14640	58

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:1217:MET:SD	1:A:1229:PHE:HB2	0.62	2.34	12	8
1:A:1197:LEU:HD22	1:A:1205:LYS:HB3	0.57	1.77	1	3
1:A:1197:LEU:HD22	1:A:1205:LYS:HG3	0.55	1.77	16	1
1:A:1217:MET:HG3	1:A:1229:PHE:HB2	0.54	1.79	1	1
1:A:1220:SER:HG	1:A:1225:TRP:CD1	0.52	2.23	15	1
1:A:1197:LEU:HD22	1:A:1205:LYS:HD3	0.52	1.81	15	2
1:A:1177:THR:HG22	1:A:1219:GLN:HE22	0.51	1.66	4	1
1:A:1159:LEU:HD12	1:A:1172:LEU:HD11	0.50	1.83	17	2
1:A:1159:LEU:HD21	1:A:1190:VAL:HG22	0.49	1.84	11	2
1:A:1210:ILE:HD12	1:A:1233:LEU:HD12	0.48	1.86	1	5
1:A:1173:ARG:HA	1:A:1216:LEU:HD13	0.48	1.86	3	6
1:A:1159:LEU:HG	1:A:1193:TYR:HB2	0.47	1.85	2	1
1:A:1197:LEU:HB2	1:A:1202:ASP:HB2	0.47	1.86	4	1
1:A:1202:ASP:HB3	1:A:1205:LYS:HB3	0.47	1.85	4	1
1:A:1212:TYR:O	1:A:1216:LEU:HG	0.44	2.13	1	4
1:A:1233:LEU:O	1:A:1237:GLN:HG2	0.43	2.13	9	2
1:A:1159:LEU:HD22	1:A:1172:LEU:HD11	0.43	1.91	4	1
1:A:1159:LEU:HG	1:A:1172:LEU:HD21	0.43	1.89	10	1
1:A:1159:LEU:HG	1:A:1172:LEU:HD11	0.43	1.90	18	1
1:A:1217:MET:SD	1:A:1225:TRP:HB3	0.42	2.54	1	1
1:A:1159:LEU:HD21	1:A:1189:GLN:HB3	0.42	1.91	3	1
1:A:1175:TRP:HZ2	1:A:1186:ASP:HB3	0.42	1.74	2	1
1:A:1165:PHE:HA	1:A:1205:LYS:NZ	0.42	2.29	11	1
1:A:1206:LEU:HD21	1:A:1240:LEU:HD22	0.42	1.91	13	1
1:A:1162:ALA:HB2	1:A:1171:LEU:HD13	0.42	1.92	8	1
1:A:1165:PHE:HD1	1:A:1205:LYS:HD3	0.42	1.74	16	1
1:A:1190:VAL:HG11	1:A:1213:MET:SD	0.41	2.54	5	1
1:A:1213:MET:O	1:A:1217:MET:HG2	0.41	2.15	1	1
1:A:1159:LEU:HD23	1:A:1193:TYR:HB2	0.41	1.91	3	1
1:A:1195:THR:HG23	1:A:1239:VAL:HG11	0.40	1.93	10	1
1:A:1237:GLN:O	1:A:1241:GLN:HG3	0.40	2.17	9	1
1:A:1187:ILE:O	1:A:1191:VAL:HG23	0.40	2.16	12	1
1:A:1217:MET:SD	1:A:1225:TRP:HE3	0.40	2.38	16	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	89/95 (94%)	86±1 (96±2%)	3±1 (3±2%)	0±0 (0±0%)	49	83
All	All	1780/1900 (94%)	1716 (96%)	62 (3%)	2 (0%)	49	83

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	1221	VAL	2

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	84/89 (94%)	81±1 (96±1%)	3±1 (4±1%)	32	82
All	All	1680/1780 (94%)	1620 (96%)	60 (4%)	32	82

All 12 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	1159	LEU	11
1	A	1205	LYS	10
1	A	1240	LEU	10
1	A	1235	ASN	8
1	A	1201	LYS	6
1	A	1226	ASN	5
1	A	1192	LYS	2
1	A	1211	LYS	2
1	A	1222	GLU	2
1	A	1169	LYS	2
1	A	1166	ASN	1
1	A	1204	GLU	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [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

The completeness of assignment taking into account all chemical shift lists is 84% for the well-defined parts and 84% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1127
Number of shifts mapped to atoms	1127
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	90	-0.67 ± 0.26	Should be checked
$^{13}\text{C}_\beta$	87	0.30 ± 0.14	None needed (< 0.5 ppm)
$^{13}\text{C}'$	84	-0.21 ± 0.13	None needed (< 0.5 ppm)
^{15}N	86	0.17 ± 0.18	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 84%, i.e. 1060 atoms were assigned a chemical shift out of a possible 1266. 0 out of 21 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	415/445 (93%)	168/179 (94%)	165/178 (93%)	82/88 (93%)
Sidechain	607/740 (82%)	417/482 (87%)	181/237 (76%)	9/21 (43%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	38/81 (47%)	24/39 (62%)	12/40 (30%)	2/2 (100%)
Overall	1060/1266 (84%)	609/700 (87%)	358/455 (79%)	93/111 (84%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 84%, i.e. 1127 atoms were assigned a chemical shift out of a possible 1346. 0 out of 23 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	437/476 (92%)	177/192 (92%)	174/190 (92%)	86/94 (91%)
Sidechain	652/789 (83%)	448/514 (87%)	194/252 (77%)	10/23 (43%)
Aromatic	38/81 (47%)	24/39 (62%)	12/40 (30%)	2/2 (100%)
Overall	1127/1346 (84%)	649/745 (87%)	380/482 (79%)	98/119 (82%)

7.1.4 Statistically unusual chemical shifts ⓘ

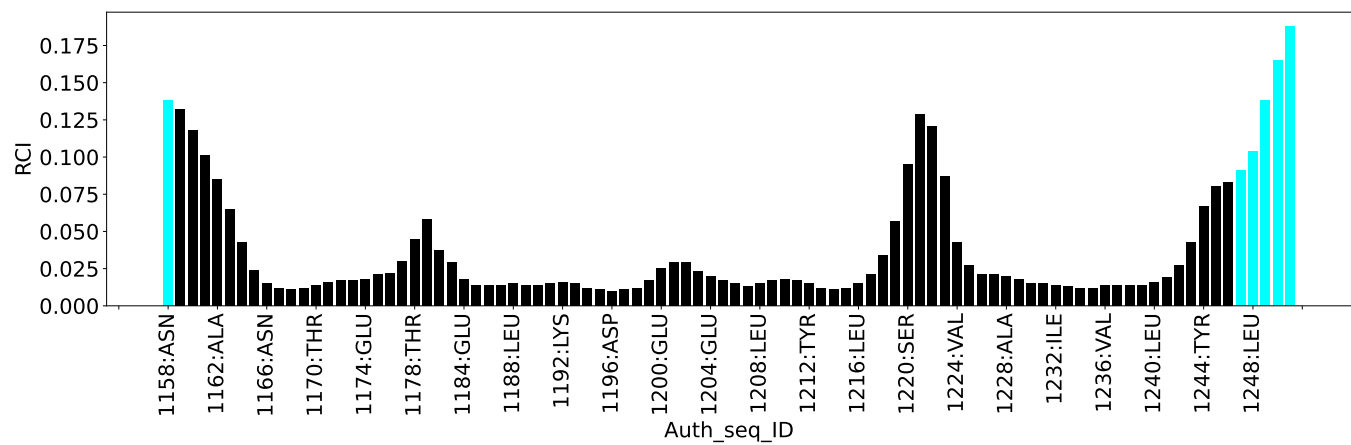
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	1169	LYS	HG3	-0.23	0.04 – 2.67	-6.0
1	A	1165	PHE	CE1	137.82	124.17 – 137.29	5.4

7.1.5 Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:



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	1831
Intra-residue ($ i-j =0$)	489
Sequential ($ i-j =1$)	448
Medium range ($ i-j >1$ and $ i-j <5$)	448
Long range ($ i-j \geq 5$)	354
Inter-chain	0
Hydrogen bond restraints	92
Disulfide bond restraints	0
Total dihedral-angle restraints	328
Number of unmapped restraints	0
Number of restraints per residue	22.7
Number of long range restraints per residue ¹	3.7

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)	64.0	0.2
0.2-0.5 (Medium)	71.8	0.5
>0.5 (Large)	55.0	4.31

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)	0.1	3.6
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

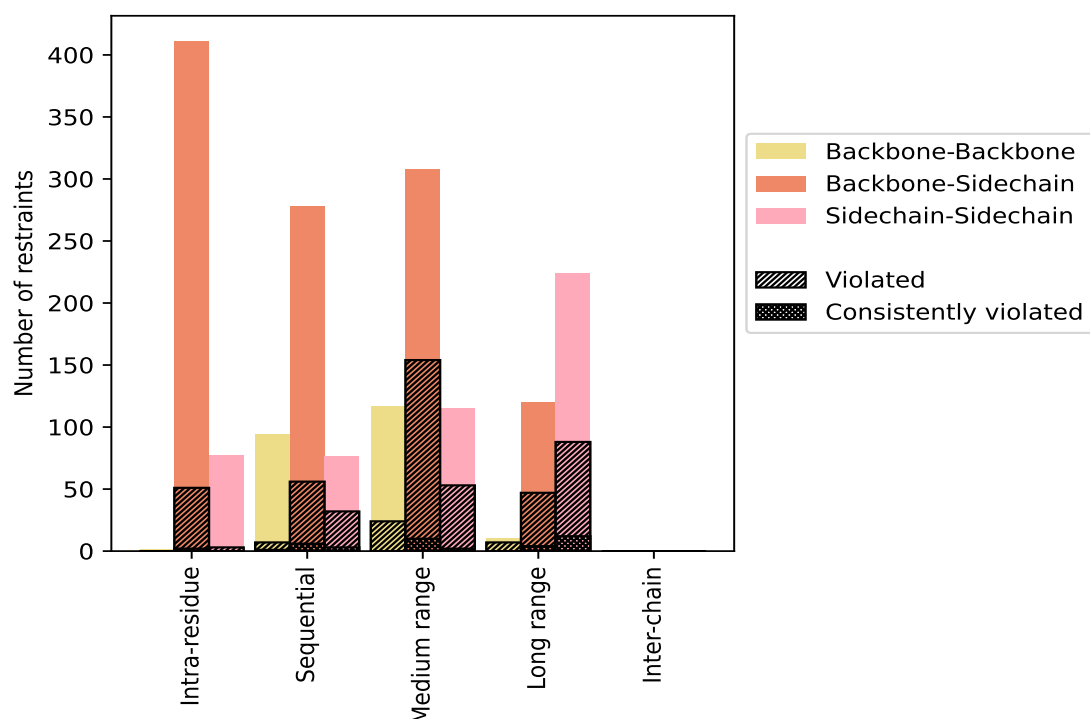
9.1 Summary of distance violations ⓘ

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 ($i-j =0$)	489	26.7	54	11.0	2.9	2	0.4	0.1
Backbone-Backbone	1	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	411	22.4	51	12.4	2.8	2	0.5	0.1
Sidechain-Sidechain	77	4.2	3	3.9	0.2	0	0.0	0.0
Sequential ($i-j =1$)	448	24.5	95	21.2	5.2	10	2.2	0.5
Backbone-Backbone	94	5.1	7	7.4	0.4	1	1.1	0.1
Backbone-Sidechain	278	15.2	56	20.1	3.1	6	2.2	0.3
Sidechain-Sidechain	76	4.2	32	42.1	1.7	3	3.9	0.2
Medium range ($i-j >1$ & $i-j <5$)	448	24.5	159	35.5	8.7	8	1.8	0.4
Backbone-Backbone	117	6.4	24	20.5	1.3	0	0.0	0.0
Backbone-Sidechain	216	11.8	82	38.0	4.5	6	2.8	0.3
Sidechain-Sidechain	115	6.3	53	46.1	2.9	2	1.7	0.1
Long range ($i-j \geq 5$)	354	19.3	142	40.1	7.8	16	4.5	0.9
Backbone-Backbone	10	0.5	7	70.0	0.4	0	0.0	0.0
Backbone-Sidechain	120	6.6	47	39.2	2.6	4	3.3	0.2
Sidechain-Sidechain	224	12.2	88	39.3	4.8	12	5.4	0.7
Inter-chain	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
Hydrogen bond	92	5.0	72	78.3	3.9	4	4.3	0.2
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1831	100.0	522	28.5	28.5	40	2.2	2.2
Backbone-Backbone	222	12.1	38	17.1	2.1	1	0.5	0.1
Backbone-Sidechain	1117	61.0	308	27.6	16.8	22	2.0	1.2
Sidechain-Sidechain	492	26.9	176	35.8	9.6	17	3.5	0.9

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 disulfied 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	13	30	76	59	0	178	0.48	3.02	0.59	0.28
2	16	34	87	54	0	191	0.62	3.27	0.76	0.31
3	14	42	90	58	0	204	0.65	3.52	0.8	0.34
4	14	38	85	58	0	195	0.54	4.31	0.76	0.29
5	22	47	84	66	0	219	0.63	3.46	0.77	0.31
6	18	41	71	55	0	185	0.57	3.31	0.7	0.29
7	16	43	81	60	0	200	0.61	3.06	0.72	0.3
8	16	38	70	61	0	185	0.64	3.43	0.77	0.32
9	18	40	90	60	0	208	0.52	3.52	0.67	0.3
10	14	33	93	52	0	192	0.48	3.36	0.63	0.27

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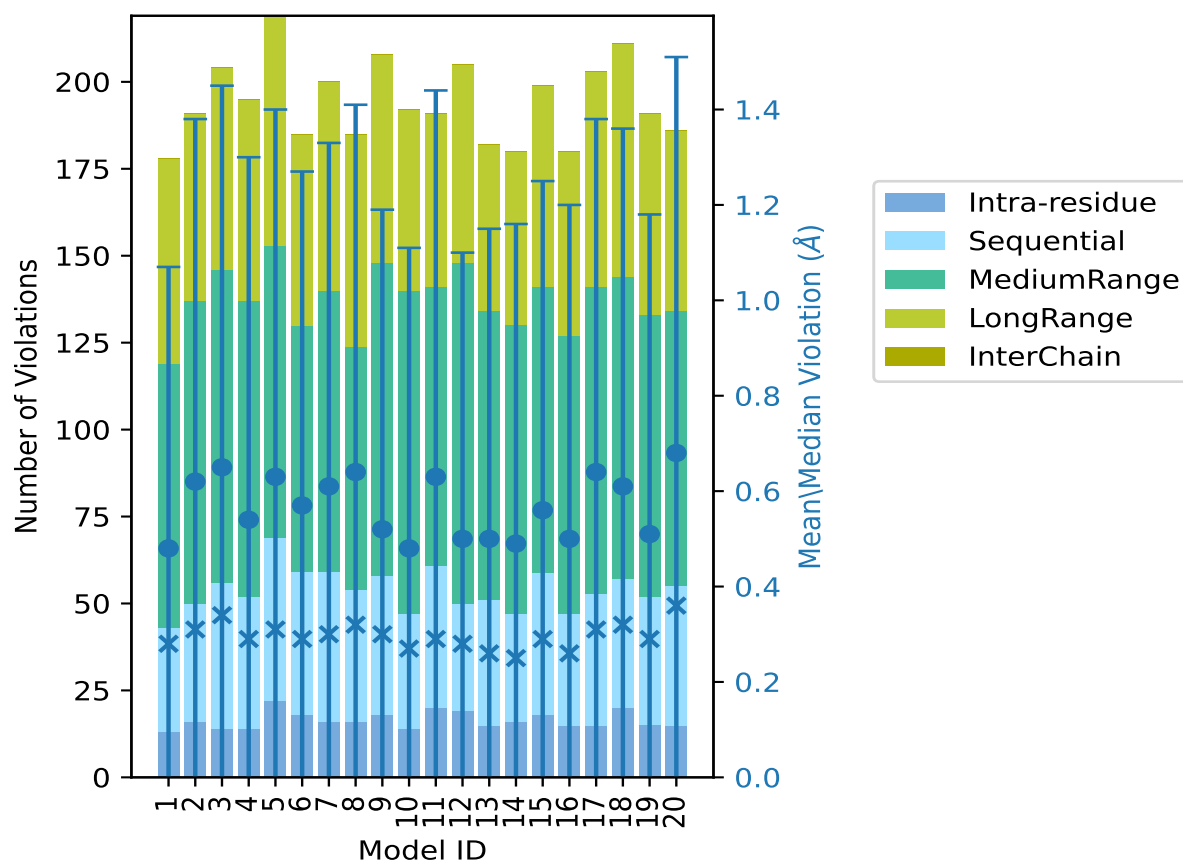
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	20	41	80	50	0	191	0.63	3.69	0.81	0.29
12	19	31	98	57	0	205	0.5	3.2	0.6	0.28
13	15	36	83	48	0	182	0.5	3.47	0.65	0.26
14	16	31	83	50	0	180	0.49	3.69	0.67	0.25
15	18	41	82	58	0	199	0.56	3.27	0.69	0.29
16	15	32	80	53	0	180	0.5	4.02	0.7	0.26
17	15	38	88	62	0	203	0.64	2.98	0.74	0.31
18	20	37	87	67	0	211	0.61	3.52	0.75	0.32
19	15	37	81	58	0	191	0.51	3.44	0.67	0.29
20	15	40	79	52	0	186	0.68	4.02	0.83	0.36

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 ⓘ



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

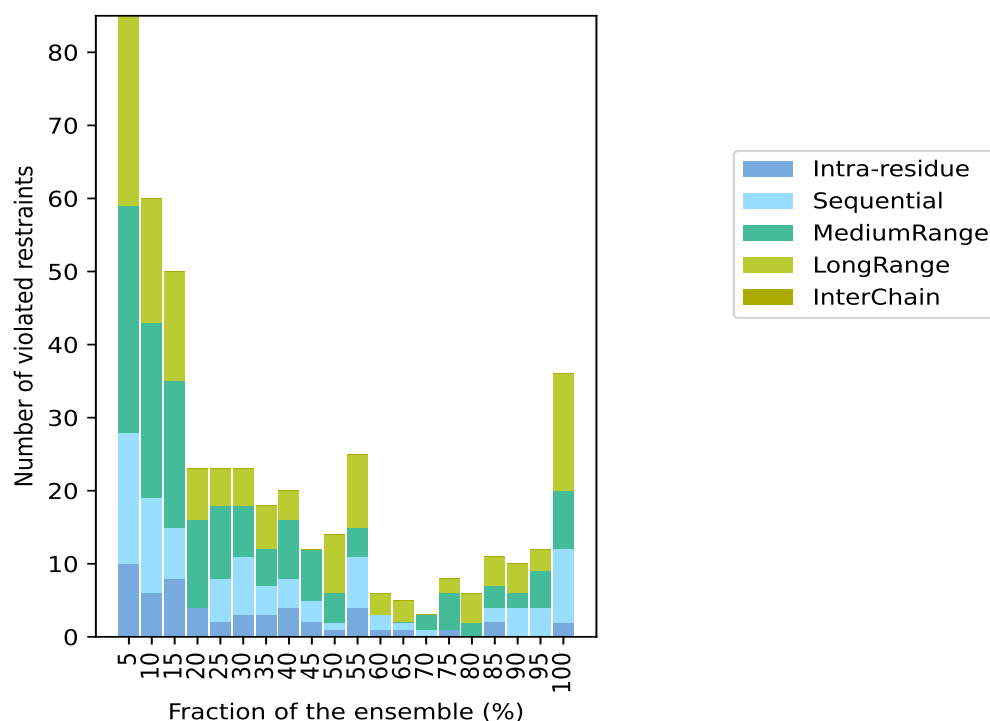
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1289(IR:435, SQ:353, MR:289, LR:212, IC:0) restraints are 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	%
10	18	31	26	0	85	1	5.0
6	13	24	17	0	60	2	10.0
8	7	20	15	0	50	3	15.0
4	0	12	7	0	23	4	20.0
2	6	10	5	0	23	5	25.0
3	8	7	5	0	23	6	30.0
3	4	5	6	0	18	7	35.0
4	4	8	4	0	20	8	40.0
2	3	7	0	0	12	9	45.0
1	1	4	8	0	14	10	50.0
4	7	4	10	0	25	11	55.0
1	2	0	3	0	6	12	60.0
1	1	0	3	0	5	13	65.0
0	1	2	0	0	3	14	70.0
1	0	5	2	0	8	15	75.0
0	0	2	4	0	6	16	80.0
2	2	3	4	0	11	17	85.0
0	4	2	4	0	10	18	90.0
0	4	5	3	0	12	19	95.0
2	10	8	16	0	36	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

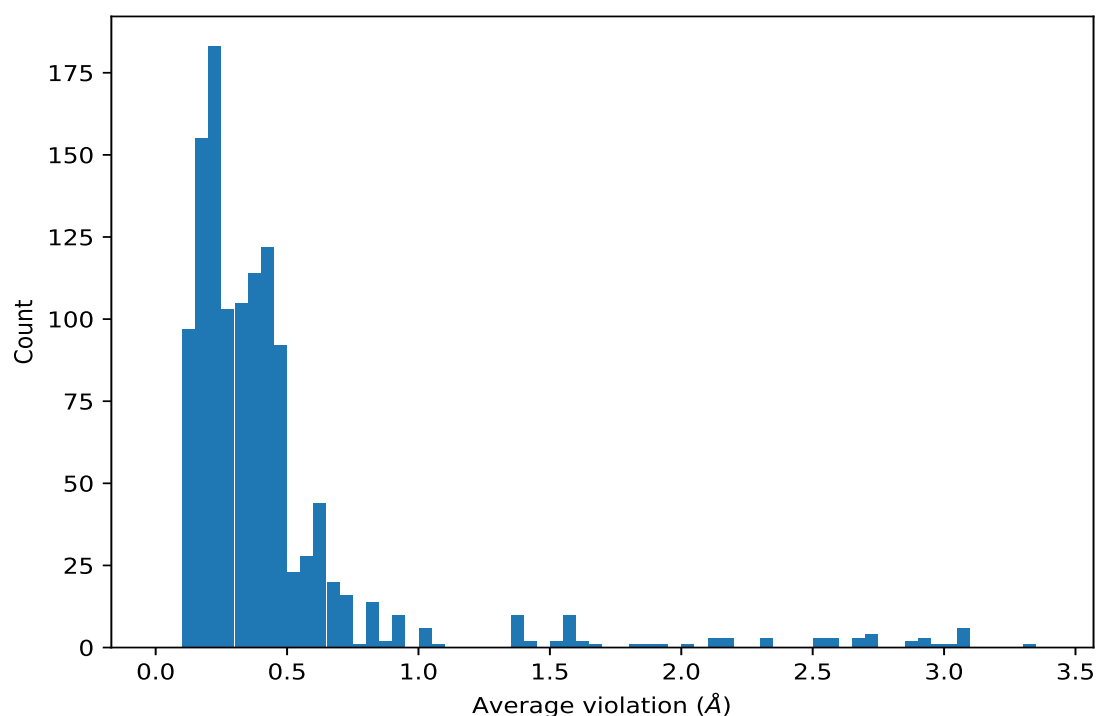
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	20	3.34	0.45	3.34
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	20	3.06	0.34	3.1
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	20	3.06	0.34	3.1
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	20	3.06	0.34	3.1
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	20	3.06	0.34	3.1
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	20	3.06	0.34	3.1
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	20	3.06	0.34	3.1
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	20	3.0	0.58	2.86
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	20	2.96	0.33	3.08
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	20	2.92	0.33	2.78
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	20	2.92	0.33	2.78
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	20	2.92	0.33	2.78
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	20	2.88	0.35	2.84
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	20	2.73	0.11	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	20	2.73	0.11	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	20	2.73	0.11	2.71

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	20	2.66	0.36	2.64
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	20	2.66	0.36	2.64
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	20	2.66	0.36	2.64
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	20	2.56	0.44	2.46
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	20	2.56	0.44	2.46
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	20	2.56	0.44	2.46
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	20	2.18	0.22	2.2
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	20	2.18	0.22	2.2
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	20	2.18	0.22	2.2
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	20	2.14	0.15	2.18
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	20	1.86	0.24	1.88
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	20	1.84	0.21	1.86
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	20	1.63	0.32	1.67
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	20	1.63	0.32	1.67
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	20	1.54	0.98	2.14
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	20	1.5	0.23	1.55
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	20	1.37	0.39	1.38
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	20	0.94	0.27	0.94
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	20	0.94	0.27	0.94
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	20	0.94	0.27	0.94
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	20	0.69	0.15	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	20	0.69	0.15	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	20	0.69	0.15	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	20	0.69	0.15	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	20	0.69	0.15	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	20	0.69	0.15	0.74
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	20	0.65	0.25	0.67
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	20	0.65	0.25	0.67
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	20	0.65	0.25	0.67
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	20	0.56	0.07	0.57
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	20	0.56	0.08	0.56
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	20	0.56	0.08	0.56
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	20	0.56	0.08	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	20	0.49	0.17	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	20	0.49	0.17	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	20	0.49	0.17	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	20	0.49	0.17	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	20	0.49	0.17	0.56
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	20	0.49	0.17	0.56
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	20	0.47	0.13	0.48
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	20	0.46	0.15	0.44
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	20	0.46	0.15	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	20	0.46	0.15	0.44
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	20	0.46	0.09	0.48
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	20	0.46	0.09	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	20	0.46	0.1	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	20	0.46	0.1	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	20	0.46	0.1	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	20	0.46	0.1	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	20	0.46	0.1	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	20	0.46	0.1	0.48
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	20	0.41	0.07	0.42
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	20	0.41	0.07	0.42
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	20	0.41	0.07	0.42
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	20	0.4	0.09	0.4
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	20	0.37	0.09	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	20	0.37	0.09	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	20	0.37	0.09	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	20	0.37	0.09	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	20	0.37	0.09	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	20	0.37	0.09	0.38
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	20	0.35	0.07	0.34
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	20	0.33	0.1	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	20	0.32	0.05	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	20	0.32	0.05	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	20	0.32	0.05	0.33
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	20	0.32	0.13	0.3
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	20	0.2	0.03	0.2
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	20	0.19	0.02	0.19
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	20	0.19	0.03	0.19
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	20	0.18	0.03	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	20	0.18	0.03	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	20	0.18	0.03	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	20	0.18	0.03	0.17
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	20	0.16	0.04	0.16
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	19	1.03	0.43	1.08
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	19	1.03	0.43	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	19	1.03	0.43	1.08
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	19	0.93	0.5	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	19	0.93	0.5	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	19	0.93	0.5	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	19	0.93	0.5	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	19	0.93	0.5	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	19	0.93	0.5	0.98
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	19	0.57	0.11	0.58
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	19	0.57	0.11	0.58
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	19	0.55	0.1	0.54
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	19	0.55	0.1	0.54
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	19	0.55	0.1	0.54
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	19	0.52	0.1	0.55
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	19	0.52	0.1	0.55
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	19	0.52	0.1	0.55
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	19	0.43	0.13	0.43
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	19	0.42	0.15	0.41
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	19	0.37	0.14	0.4
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	19	0.36	0.14	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	19	0.36	0.14	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	19	0.36	0.14	0.32
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	19	0.28	0.09	0.29
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	19	0.27	0.1	0.26
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	19	0.27	0.1	0.26
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	19	0.27	0.1	0.26
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	19	0.26	0.06	0.26
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	19	0.21	0.03	0.21
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	18	0.66	0.27	0.71
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	18	0.66	0.27	0.71
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	18	0.66	0.27	0.71
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	18	0.45	0.21	0.43
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	18	0.45	0.21	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	18	0.45	0.21	0.43
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	18	0.4	0.14	0.42
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	18	0.4	0.14	0.42
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	18	0.4	0.14	0.42
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	18	0.38	0.12	0.36
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	18	0.32	0.12	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	18	0.32	0.12	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	18	0.32	0.12	0.34
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	18	0.31	0.1	0.31
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	18	0.31	0.11	0.28
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	18	0.29	0.12	0.3
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	18	0.27	0.09	0.24
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	18	0.22	0.07	0.21
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	18	0.2	0.07	0.19
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	18	0.17	0.04	0.16
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	18	0.14	0.02	0.14
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	17	0.88	0.46	0.98
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	17	0.61	0.2	0.63
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	17	0.47	0.07	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	17	0.47	0.07	0.48
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	17	0.42	0.07	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	17	0.42	0.07	0.44
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	17	0.41	0.1	0.4
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	17	0.4	0.17	0.4
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	17	0.36	0.18	0.33
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	17	0.36	0.18	0.33
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	17	0.36	0.18	0.33
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	17	0.36	0.1	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	17	0.36	0.1	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	17	0.36	0.1	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	17	0.36	0.1	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	17	0.36	0.1	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	17	0.36	0.1	0.39
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	17	0.28	0.04	0.3
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	17	0.26	0.09	0.24
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	17	0.21	0.1	0.17
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	17	0.16	0.04	0.15
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	17	0.16	0.02	0.16
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	17	0.16	0.03	0.15
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	17	0.16	0.03	0.15
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	17	0.15	0.03	0.14
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	17	0.15	0.03	0.15
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	17	0.14	0.03	0.14
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	16	0.62	0.17	0.67
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	16	0.52	0.31	0.4
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	16	0.39	0.15	0.38
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	16	0.36	0.12	0.36
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	16	0.36	0.12	0.36
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	16	0.36	0.12	0.36
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	16	0.36	0.13	0.4
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	16	0.17	0.05	0.15
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	16	0.15	0.04	0.14
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	16	0.14	0.03	0.14
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	16	0.14	0.03	0.14
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	15	0.51	0.28	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	15	0.51	0.28	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	15	0.51	0.28	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	15	0.51	0.28	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	15	0.51	0.28	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	15	0.51	0.28	0.47
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	15	0.46	0.22	0.39
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	15	0.46	0.22	0.39
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	15	0.46	0.22	0.39
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	15	0.35	0.14	0.42
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	15	0.35	0.14	0.42
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	15	0.35	0.14	0.42
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	15	0.26	0.06	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	15	0.22	0.05	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	15	0.22	0.05	0.23
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	15	0.22	0.07	0.23
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	15	0.18	0.03	0.18
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	15	0.18	0.03	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	15	0.16	0.03	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	15	0.16	0.03	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	15	0.16	0.03	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	15	0.16	0.03	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	15	0.16	0.03	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	15	0.16	0.03	0.16
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	15	0.15	0.03	0.15
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	15	0.15	0.03	0.15
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	15	0.14	0.02	0.15
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	15	0.13	0.02	0.13
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	15	0.13	0.02	0.13
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	14	0.43	0.13	0.48
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	14	0.34	0.1	0.36
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	14	0.26	0.07	0.26
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	14	0.2	0.06	0.2
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	14	0.14	0.02	0.14
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	14	0.14	0.03	0.14
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	13	0.39	0.13	0.37
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	13	0.34	0.13	0.29
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	13	0.34	0.13	0.29
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	13	0.34	0.13	0.29
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	13	0.3	0.11	0.26
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	13	0.3	0.11	0.26
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	13	0.3	0.11	0.26
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	13	0.27	0.11	0.24
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	13	0.19	0.05	0.17
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	13	0.19	0.05	0.17
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	13	0.19	0.05	0.17
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	13	0.17	0.04	0.16
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	13	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	13	0.13	0.02	0.12
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	12	0.72	0.3	0.86
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	12	0.37	0.21	0.28
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	12	0.37	0.21	0.28
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	12	0.37	0.21	0.28
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	12	0.32	0.15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	12	0.32	0.15	0.3
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	12	0.29	0.13	0.27
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	12	0.29	0.13	0.27
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	12	0.29	0.13	0.27
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	12	0.17	0.05	0.18
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	12	0.15	0.04	0.14
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	12	0.15	0.04	0.14
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	12	0.15	0.04	0.14
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	12	0.15	0.03	0.15
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	12	0.14	0.03	0.15
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	12	0.13	0.02	0.12
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	11	2.87	0.26	2.94
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	11	2.73	0.58	2.83
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	11	2.54	0.37	2.64
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	11	2.54	0.37	2.64
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	11	2.54	0.37	2.64
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	11	2.3	0.18	2.34
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	11	2.3	0.18	2.34
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	11	2.3	0.18	2.34
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	11	2.11	0.41	2.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	11	2.11	0.54	2.24
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	11	2.04	0.26	1.97
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	11	1.67	0.63	1.83
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	11	1.58	0.31	1.56
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	11	1.58	0.31	1.56
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	11	1.58	0.31	1.56
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	11	1.58	0.16	1.55
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	11	1.38	0.13	1.39
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	11	1.37	0.15	1.38
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	11	1.0	0.44	0.97
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	11	1.0	0.44	0.97
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	11	1.0	0.44	0.97
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	11	0.88	0.08	0.89
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	11	0.68	0.2	0.66
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	11	0.68	0.2	0.66
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	11	0.68	0.2	0.66
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	11	0.65	0.27	0.71
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	11	0.65	0.27	0.71
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	11	0.52	0.01	0.52
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	11	0.51	0.12	0.52
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	11	0.51	0.12	0.52
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	11	0.51	0.12	0.52
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	11	0.51	0.12	0.52
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	11	0.44	0.2	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	11	0.44	0.2	0.46
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	11	0.44	0.2	0.46
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	11	0.42	0.17	0.46
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	11	0.42	0.17	0.46
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	11	0.3	0.13	0.26
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	11	0.3	0.13	0.26
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	11	0.3	0.13	0.26
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	11	0.28	0.04	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	11	0.28	0.15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	11	0.28	0.15	0.27
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	11	0.23	0.01	0.23
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	11	0.19	0.07	0.15
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	11	0.19	0.07	0.15
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	10	1.37	0.09	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	10	1.37	0.09	1.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	10	1.09	0.44	1.1
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	10	0.73	0.24	0.75
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	10	0.73	0.24	0.75
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	10	0.73	0.24	0.75
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	10	0.63	0.27	0.59
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	10	0.63	0.27	0.59
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	10	0.63	0.27	0.59
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	10	0.61	0.18	0.65
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	10	0.61	0.18	0.65
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	10	0.61	0.18	0.65
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	10	0.38	0.13	0.34
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	10	0.38	0.13	0.34
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	10	0.38	0.13	0.34
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	10	0.38	0.13	0.34
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	10	0.38	0.13	0.34
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	10	0.38	0.13	0.34
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	10	0.38	0.11	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	10	0.38	0.11	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	10	0.38	0.11	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	10	0.38	0.11	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	10	0.38	0.11	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	10	0.38	0.11	0.4
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	10	0.34	0.19	0.3
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	10	0.34	0.19	0.3
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	10	0.34	0.19	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	10	0.34	0.19	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	10	0.34	0.19	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	10	0.34	0.19	0.3
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	10	0.21	0.05	0.2
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	10	0.21	0.05	0.2
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	10	0.2	0.04	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	10	0.2	0.05	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	10	0.2	0.05	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	10	0.2	0.05	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	10	0.2	0.05	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	10	0.2	0.05	0.21
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	10	0.2	0.05	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	10	0.18	0.06	0.2
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	10	0.18	0.06	0.2
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	10	0.18	0.06	0.2
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	10	0.15	0.05	0.13
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	10	0.15	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	10	0.15	0.05	0.13
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	10	0.15	0.03	0.14
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	10	0.15	0.03	0.14
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	10	0.15	0.03	0.14
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	10	0.15	0.03	0.14
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	10	0.15	0.03	0.14
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	10	0.15	0.03	0.14
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	10	0.13	0.03	0.12
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	10	0.12	0.01	0.12
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	9	0.6	0.21	0.62
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	9	0.6	0.21	0.62
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	9	0.53	0.2	0.52
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	9	0.53	0.2	0.52
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	9	0.53	0.15	0.59
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	9	0.53	0.15	0.59
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	9	0.52	0.17	0.62
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	9	0.52	0.17	0.62
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	9	0.45	0.22	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	9	0.45	0.22	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	9	0.45	0.22	0.38
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	9	0.44	0.11	0.47
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	9	0.44	0.11	0.47
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	9	0.37	0.08	0.4
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	9	0.3	0.09	0.3
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	9	0.3	0.09	0.3
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	9	0.25	0.15	0.19
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	9	0.25	0.15	0.19
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	9	0.25	0.15	0.19
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	9	0.22	0.07	0.19
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	9	0.22	0.07	0.19
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	9	0.2	0.05	0.18
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	9	0.18	0.04	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	9	0.18	0.04	0.21
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	9	0.16	0.04	0.15
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	9	0.13	0.03	0.11
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	8	0.73	0.19	0.79
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	8	0.73	0.19	0.79
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	8	0.5	0.16	0.52
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	8	0.5	0.16	0.52
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	8	0.42	0.07	0.44
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	8	0.42	0.07	0.44
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	8	0.42	0.13	0.46
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	8	0.42	0.13	0.46
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	8	0.37	0.14	0.31
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	8	0.37	0.14	0.31
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	8	0.37	0.07	0.34
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	8	0.37	0.07	0.34
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	8	0.37	0.07	0.34
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	8	0.37	0.07	0.34
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	8	0.36	0.14	0.31
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	8	0.36	0.14	0.31
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	8	0.36	0.14	0.31
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	8	0.36	0.14	0.31
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	8	0.36	0.14	0.31
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	8	0.36	0.05	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	8	0.36	0.05	0.37
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	8	0.36	0.05	0.37
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	8	0.35	0.16	0.42
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	8	0.35	0.16	0.42
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	8	0.35	0.16	0.42
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	8	0.35	0.16	0.42
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	8	0.35	0.16	0.42
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	8	0.35	0.16	0.42
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	8	0.28	0.08	0.32
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	8	0.25	0.12	0.22
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	8	0.24	0.06	0.22
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	8	0.22	0.06	0.23
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	8	0.22	0.06	0.23
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	8	0.22	0.06	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	8	0.22	0.07	0.21
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	8	0.22	0.07	0.21
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	8	0.22	0.07	0.21
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	8	0.22	0.07	0.21
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	8	0.22	0.07	0.21
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	8	0.22	0.07	0.21
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	8	0.21	0.1	0.17
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	8	0.21	0.1	0.17
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	8	0.21	0.08	0.18
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	8	0.2	0.08	0.2
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	8	0.18	0.05	0.19
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	8	0.14	0.02	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	8	0.14	0.02	0.15
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	8	0.14	0.02	0.14
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	8	0.14	0.03	0.12
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	8	0.13	0.02	0.13
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	7	0.78	0.47	1.0
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	7	0.57	0.3	0.47
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	7	0.37	0.06	0.41
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	7	0.37	0.06	0.41
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	7	0.34	0.05	0.33
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	7	0.34	0.05	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	7	0.33	0.1	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	7	0.33	0.1	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	7	0.33	0.1	0.33
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	7	0.33	0.24	0.25
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	7	0.33	0.24	0.25
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	7	0.33	0.24	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	7	0.31	0.12	0.28
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	7	0.29	0.1	0.26
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	7	0.29	0.1	0.26
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	7	0.28	0.11	0.3
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	7	0.28	0.11	0.3
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	7	0.28	0.11	0.3
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	7	0.28	0.08	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	7	0.28	0.08	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	7	0.28	0.08	0.29
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	7	0.27	0.07	0.23
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	7	0.24	0.12	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	7	0.24	0.12	0.18
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	7	0.23	0.1	0.24
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	7	0.23	0.1	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	7	0.23	0.1	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	7	0.23	0.1	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	7	0.23	0.1	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	7	0.23	0.1	0.24
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	7	0.23	0.07	0.22
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	7	0.2	0.07	0.19
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	7	0.2	0.07	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	7	0.2	0.07	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	7	0.2	0.07	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	7	0.2	0.07	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	7	0.2	0.07	0.19
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	7	0.18	0.09	0.13
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	7	0.18	0.09	0.13
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	7	0.18	0.09	0.13
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	7	0.17	0.04	0.17
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	7	0.17	0.04	0.17
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	7	0.17	0.04	0.17
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	7	0.13	0.02	0.13
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	7	0.13	0.02	0.13
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	7	0.13	0.02	0.14
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	7	0.12	0.02	0.12
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	6	1.56	0.73	1.81
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	6	0.65	0.28	0.62
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	6	0.65	0.28	0.62
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	6	0.65	0.28	0.62
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	6	0.64	0.31	0.62
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	6	0.64	0.31	0.62
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	6	0.45	0.12	0.44
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	6	0.43	0.14	0.51
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	6	0.43	0.14	0.51
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	6	0.4	0.22	0.36
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	6	0.4	0.22	0.36
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	6	0.38	0.14	0.4
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	6	0.38	0.14	0.4
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	6	0.38	0.14	0.4
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	6	0.38	0.14	0.4
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	6	0.38	0.14	0.4
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	6	0.38	0.14	0.4
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	6	0.37	0.12	0.32
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	6	0.37	0.12	0.32
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	6	0.31	0.18	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	6	0.31	0.18	0.24
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	6	0.31	0.18	0.24
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	6	0.31	0.09	0.32
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	6	0.29	0.04	0.28
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	6	0.29	0.04	0.28
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	6	0.29	0.04	0.28
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	6	0.28	0.08	0.3
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	6	0.25	0.03	0.24
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	6	0.24	0.09	0.22
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	6	0.24	0.07	0.24
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	6	0.24	0.07	0.24
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	6	0.22	0.07	0.2
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	6	0.22	0.07	0.2
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	6	0.22	0.07	0.2
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	6	0.21	0.11	0.16
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	6	0.21	0.11	0.16
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	6	0.21	0.11	0.16
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	6	0.2	0.09	0.18
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	6	0.2	0.09	0.18
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	6	0.2	0.09	0.18
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	6	0.2	0.04	0.2
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	6	0.2	0.04	0.2
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	6	0.19	0.06	0.2
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	6	0.19	0.06	0.2
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	6	0.15	0.0	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	6	0.15	0.0	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	6	0.14	0.04	0.13
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	6	0.14	0.04	0.13
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	6	0.14	0.04	0.13
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	6	0.14	0.04	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	6	0.14	0.04	0.13
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	6	0.14	0.04	0.13
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	5	0.81	0.04	0.82
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	5	0.81	0.04	0.82
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	5	0.47	0.25	0.56
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	5	0.47	0.25	0.56
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	5	0.46	0.17	0.52
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	5	0.46	0.17	0.52
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	5	0.44	0.16	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	5	0.44	0.16	0.46
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	5	0.37	0.11	0.37
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	5	0.32	0.02	0.31
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	5	0.3	0.13	0.34
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	5	0.3	0.13	0.34
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	5	0.29	0.16	0.19
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	5	0.29	0.16	0.19
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	5	0.28	0.1	0.24
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	5	0.28	0.1	0.24
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	5	0.28	0.1	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	5	0.28	0.1	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	5	0.28	0.1	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	5	0.28	0.1	0.24
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	5	0.28	0.14	0.2
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	5	0.21	0.14	0.16
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	5	0.21	0.14	0.16
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	5	0.21	0.14	0.16
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	5	0.2	0.07	0.19
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	5	0.2	0.07	0.19
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	5	0.18	0.07	0.16
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	5	0.18	0.07	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	5	0.18	0.1	0.11
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	5	0.18	0.1	0.11
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	5	0.17	0.05	0.14
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	5	0.15	0.03	0.14
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	5	0.14	0.03	0.13
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	5	0.14	0.03	0.13
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	5	0.14	0.03	0.13
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	5	0.14	0.03	0.13
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	5	0.14	0.03	0.13
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	5	0.14	0.03	0.13
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	5	0.14	0.02	0.15
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	5	0.14	0.03	0.14
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	5	0.14	0.03	0.14
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	5	0.14	0.03	0.14
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	5	0.13	0.02	0.13
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	5	0.13	0.02	0.12
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	5	0.13	0.02	0.12
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	5	0.13	0.01	0.12
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	5	0.13	0.01	0.12
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	5	0.12	0.02	0.11
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	5	0.12	0.02	0.11
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	5	0.12	0.01	0.12
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	5	0.11	0.01	0.12
(1,1159)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	4	0.93	0.22	0.92
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE2	4	0.64	0.03	0.65
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE3	4	0.64	0.03	0.65
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD11	4	0.47	0.23	0.48
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD12	4	0.47	0.23	0.48
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD13	4	0.47	0.23	0.48
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD11	4	0.47	0.23	0.48
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD12	4	0.47	0.23	0.48
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD13	4	0.47	0.23	0.48
(1,686)	1:1248:A:LEU:HA	1:1250:A:VAL:H	4	0.46	0.33	0.43
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE21	4	0.44	0.27	0.42
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE22	4	0.44	0.27	0.42
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE21	4	0.44	0.27	0.42
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE22	4	0.44	0.27	0.42
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE21	4	0.44	0.27	0.42
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE22	4	0.44	0.27	0.42
(1,1061)	1:1198:A:ILE:HD11	1:1240:A:LEU:HG	4	0.38	0.08	0.38
(1,1061)	1:1198:A:ILE:HD12	1:1240:A:LEU:HG	4	0.38	0.08	0.38
(1,1061)	1:1198:A:ILE:HD13	1:1240:A:LEU:HG	4	0.38	0.08	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1484)	1:1201:A:LYS:HB2	1:1244:A:TYR:HE1	4	0.37	0.12	0.33
(1,1484)	1:1201:A:LYS:HB3	1:1244:A:TYR:HE1	4	0.37	0.12	0.33
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB2	4	0.35	0.13	0.36
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB3	4	0.35	0.13	0.36
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB2	4	0.35	0.13	0.36
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB3	4	0.35	0.13	0.36
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD21	4	0.34	0.24	0.24
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD22	4	0.34	0.24	0.24
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD23	4	0.34	0.24	0.24
(1,607)	1:1210:A:ILE:HA	1:1213:A:MET:HB2	4	0.31	0.03	0.32
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD2	4	0.3	0.1	0.32
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD3	4	0.3	0.1	0.32
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG2	4	0.29	0.15	0.28
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG3	4	0.29	0.15	0.28
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD2	4	0.28	0.09	0.31
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD3	4	0.28	0.09	0.31
(1,507)	1:1251:A:THR:HA	1:1251:A:THR:HB	4	0.27	0.13	0.24
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD11	4	0.24	0.12	0.2
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD12	4	0.24	0.12	0.2
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD13	4	0.24	0.12	0.2
(1,572)	1:1207:A:ASP:HA	1:1210:A:ILE:HB	4	0.21	0.05	0.21
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB2	4	0.19	0.04	0.18
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB3	4	0.19	0.04	0.18
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG2	4	0.18	0.03	0.19
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG3	4	0.18	0.03	0.19
(1,566)	1:1167:A:ASP:HA	1:1170:A:THR:HB	4	0.18	0.03	0.19
(1,339)	1:1191:A:VAL:HG11	1:1195:A:THR:H	4	0.17	0.09	0.12
(1,339)	1:1191:A:VAL:HG12	1:1195:A:THR:H	4	0.17	0.09	0.12
(1,339)	1:1191:A:VAL:HG13	1:1195:A:THR:H	4	0.17	0.09	0.12
(1,627)	1:1211:A:LYS:HA	1:1214:A:LYS:H	4	0.17	0.03	0.18
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG11	4	0.16	0.04	0.16
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG12	4	0.16	0.04	0.16
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG13	4	0.16	0.04	0.16
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG21	4	0.16	0.04	0.16
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG22	4	0.16	0.04	0.16
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG23	4	0.16	0.04	0.16
(2,16)	1:1195:A:THR:O	1:1199:A:GLU:N	4	0.15	0.04	0.15
(1,777)	1:1209:A:VAL:HA	1:1212:A:TYR:H	4	0.14	0.01	0.14
(2,48)	1:1210:A:ILE:O	1:1214:A:LYS:N	4	0.14	0.03	0.12
(2,28)	1:1170:A:THR:O	1:1174:A:GLU:N	4	0.13	0.03	0.12
(2,8)	1:1190:A:VAL:O	1:1194:A:CYS:N	4	0.12	0.0	0.12
(1,966)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	3	1.93	0.8	2.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	3	1.43	0.3	1.31
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	3	1.43	0.3	1.31
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG11	3	0.84	0.36	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG12	3	0.84	0.36	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG13	3	0.84	0.36	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG11	3	0.84	0.36	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG12	3	0.84	0.36	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG13	3	0.84	0.36	1.09
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD11	3	0.59	0.16	0.67
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD12	3	0.59	0.16	0.67
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD13	3	0.59	0.16	0.67
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE21	3	0.57	0.1	0.53
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE22	3	0.57	0.1	0.53
(1,740)	1:1241:A:GLN:HG2	1:1246:A:SER:HA	3	0.55	0.17	0.5
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD11	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD12	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD13	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD21	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD22	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD23	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD11	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD12	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD13	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD21	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD22	3	0.49	0.11	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD23	3	0.49	0.11	0.47
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG11	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG12	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG13	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG21	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG22	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG23	3	0.47	0.22	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG11	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG12	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG13	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG21	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG22	3	0.47	0.22	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG23	3	0.47	0.22	0.52
(1,930)	1:1203:A:LEU:HD11	1:1206:A:LEU:HB3	3	0.44	0.27	0.4
(1,930)	1:1203:A:LEU:HD12	1:1206:A:LEU:HB3	3	0.44	0.27	0.4
(1,930)	1:1203:A:LEU:HD13	1:1206:A:LEU:HB3	3	0.44	0.27	0.4
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB2	3	0.44	0.32	0.27
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB3	3	0.44	0.32	0.27
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB2	3	0.44	0.32	0.27
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB3	3	0.44	0.32	0.27
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB2	3	0.44	0.32	0.27
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB3	3	0.44	0.32	0.27
(1,1121)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	3	0.43	0.05	0.45
(1,940)	1:1237:A:GLN:HA	1:1240:A:LEU:HB3	3	0.4	0.19	0.3
(1,1213)	1:1162:A:ALA:HB1	1:1163:A:VAL:HB	3	0.39	0.04	0.41
(1,1213)	1:1162:A:ALA:HB2	1:1163:A:VAL:HB	3	0.39	0.04	0.41
(1,1213)	1:1162:A:ALA:HB3	1:1163:A:VAL:HB	3	0.39	0.04	0.41
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG2	3	0.39	0.05	0.41
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG3	3	0.39	0.05	0.41
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG2	3	0.39	0.05	0.41
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG3	3	0.39	0.05	0.41
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD11	3	0.34	0.12	0.38
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD12	3	0.34	0.12	0.38
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD13	3	0.34	0.12	0.38
(1,362)	1:1238:A:VAL:H	1:1241:A:GLN:HG3	3	0.32	0.15	0.25
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG21	3	0.31	0.16	0.21
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG22	3	0.31	0.16	0.21
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG23	3	0.31	0.16	0.21
(1,1125)	1:1211:A:LYS:H	1:1250:A:VAL:HB	3	0.3	0.09	0.35
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD2	3	0.29	0.05	0.32
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD3	3	0.29	0.05	0.32
(1,716)	1:1179:A:ILE:HG21	1:1182:A:PRO:HA	3	0.29	0.15	0.24
(1,716)	1:1179:A:ILE:HG22	1:1182:A:PRO:HA	3	0.29	0.15	0.24
(1,716)	1:1179:A:ILE:HG23	1:1182:A:PRO:HA	3	0.29	0.15	0.24
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG2	3	0.28	0.12	0.26
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG3	3	0.28	0.12	0.26
(1,1461)	1:1197:A:LEU:HD11	1:1203:A:LEU:HA	3	0.28	0.11	0.27
(1,1461)	1:1197:A:LEU:HD12	1:1203:A:LEU:HA	3	0.28	0.11	0.27
(1,1461)	1:1197:A:LEU:HD13	1:1203:A:LEU:HA	3	0.28	0.11	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1461)	1:1197:A:LEU:HD21	1:1203:A:LEU:HA	3	0.28	0.11	0.27
(1,1461)	1:1197:A:LEU:HD22	1:1203:A:LEU:HA	3	0.28	0.11	0.27
(1,1461)	1:1197:A:LEU:HD23	1:1203:A:LEU:HA	3	0.28	0.11	0.27
(1,702)	1:1217:A:MET:HA	1:1225:A:TRP:HE3	3	0.27	0.11	0.33
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD11	3	0.27	0.13	0.26
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD12	3	0.27	0.13	0.26
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD13	3	0.27	0.13	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD11	3	0.27	0.13	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD12	3	0.27	0.13	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD13	3	0.27	0.13	0.26
(1,360)	1:1163:A:VAL:H	1:1163:A:VAL:HB	3	0.27	0.03	0.28
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD11	3	0.26	0.08	0.22
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD12	3	0.26	0.08	0.22
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD13	3	0.26	0.08	0.22
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB2	3	0.24	0.11	0.17
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB3	3	0.24	0.11	0.17
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB2	3	0.24	0.11	0.17
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB3	3	0.24	0.11	0.17
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB2	3	0.24	0.11	0.17
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB3	3	0.24	0.11	0.17
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD11	3	0.24	0.09	0.25
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD12	3	0.24	0.09	0.25
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD13	3	0.24	0.09	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD11	3	0.24	0.09	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD12	3	0.24	0.09	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD13	3	0.24	0.09	0.25
(1,1084)	1:1204:A:GLU:HG3	1:1205:A:LYS:H	3	0.23	0.11	0.21
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD11	3	0.22	0.1	0.18
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD12	3	0.22	0.1	0.18
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD13	3	0.22	0.1	0.18
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG2	3	0.22	0.02	0.22
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG3	3	0.22	0.02	0.22
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG21	3	0.2	0.03	0.2
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG22	3	0.2	0.03	0.2
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG23	3	0.2	0.03	0.2
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG21	3	0.2	0.05	0.22
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG22	3	0.2	0.05	0.22
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG23	3	0.2	0.05	0.22
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG2	3	0.2	0.08	0.14
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG3	3	0.2	0.08	0.14
(1,1060)	1:1198:A:ILE:HD11	1:1240:A:LEU:HB2	3	0.19	0.03	0.2
(1,1060)	1:1198:A:ILE:HD12	1:1240:A:LEU:HB2	3	0.19	0.03	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1060)	1:1198:A:ILE:HD13	1:1240:A:LEU:HB2	3	0.19	0.03	0.2
(1,1328)	1:1164:A:GLU:HB2	1:1166:A:ASN:HB2	3	0.19	0.06	0.21
(1,1328)	1:1164:A:GLU:HB3	1:1166:A:ASN:HB2	3	0.19	0.06	0.21
(1,687)	1:1183:A:MET:HA	1:1184:A:GLU:HB2	3	0.18	0.04	0.15
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB2	3	0.18	0.05	0.15
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB3	3	0.18	0.05	0.15
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG2	3	0.17	0.01	0.18
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG3	3	0.17	0.01	0.18
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD21	3	0.16	0.03	0.15
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD22	3	0.16	0.03	0.15
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD23	3	0.16	0.03	0.15
(2,75)	1:1233:A:LEU:O	1:1237:A:GLN:H	3	0.16	0.02	0.15
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG21	3	0.15	0.04	0.13
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG22	3	0.15	0.04	0.13
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG23	3	0.15	0.04	0.13
(1,536)	1:1250:A:VAL:HA	1:1250:A:VAL:HB	3	0.15	0.01	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG21	3	0.15	0.02	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG22	3	0.15	0.02	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG23	3	0.15	0.02	0.15
(1,431)	1:1241:A:GLN:HA	1:1241:A:GLN:HG2	3	0.15	0.03	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE2	3	0.15	0.0	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE3	3	0.15	0.0	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE2	3	0.15	0.0	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE3	3	0.15	0.0	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD11	3	0.15	0.03	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD12	3	0.15	0.03	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD13	3	0.15	0.03	0.15
(2,21)	1:1167:A:ASP:O	1:1171:A:LEU:H	3	0.14	0.01	0.14
(1,164)	1:1202:A:ASP:H	1:1203:A:LEU:H	3	0.13	0.03	0.11
(1,358)	1:1221:A:VAL:HG11	1:1222:A:GLU:H	3	0.13	0.02	0.12
(1,358)	1:1221:A:VAL:HG12	1:1222:A:GLU:H	3	0.13	0.02	0.12
(1,358)	1:1221:A:VAL:HG13	1:1222:A:GLU:H	3	0.13	0.02	0.12
(1,640)	1:1203:A:LEU:HB2	1:1204:A:GLU:HA	3	0.12	0.03	0.11
(2,39)	1:1206:A:LEU:O	1:1210:A:ILE:H	3	0.12	0.01	0.12
(2,44)	1:1208:A:LEU:O	1:1212:A:TYR:N	3	0.12	0.02	0.12
(2,1)	1:1184:A:GLU:O	1:1188:A:LEU:H	3	0.11	0.0	0.11
(1,657)	1:1188:A:LEU:HA	1:1191:A:VAL:H	3	0.1	0.0	0.1
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD11	2	0.84	0.12	0.84
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD12	2	0.84	0.12	0.84
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD13	2	0.84	0.12	0.84
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD11	2	0.84	0.12	0.84
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD12	2	0.84	0.12	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD13	2	0.84	0.12	0.84
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG21	2	0.64	0.05	0.64
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG22	2	0.64	0.05	0.64
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG23	2	0.64	0.05	0.64
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG2	2	0.6	0.43	0.6
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG3	2	0.6	0.43	0.6
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG2	2	0.55	0.02	0.55
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG3	2	0.55	0.02	0.55
(1,1405)	1:1184:A:GLU:HG2	1:1188:A:LEU:HG	2	0.47	0.16	0.47
(1,1405)	1:1184:A:GLU:HG3	1:1188:A:LEU:HG	2	0.47	0.16	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD11	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD12	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD13	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD21	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD22	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD23	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD11	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD12	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD13	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD21	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD22	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD23	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD11	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD12	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD13	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD21	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD22	2	0.47	0.27	0.47
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD23	2	0.47	0.27	0.47
(1,689)	1:1183:A:MET:HA	1:1185:A:GLU:H	2	0.44	0.08	0.44
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE2	2	0.43	0.13	0.43
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE3	2	0.43	0.13	0.43
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB2	2	0.41	0.15	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB3	2	0.41	0.15	0.41
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD11	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD12	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD13	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD21	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD22	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD23	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD11	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD12	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD13	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD21	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD22	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD23	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD11	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD12	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD13	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD21	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD22	2	0.4	0.1	0.4
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD23	2	0.4	0.1	0.4
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG2	2	0.4	0.06	0.4
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	2	0.4	0.06	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG11	2	0.4	0.19	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG12	2	0.4	0.19	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG13	2	0.4	0.19	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG21	2	0.4	0.19	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG22	2	0.4	0.19	0.4
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG23	2	0.4	0.19	0.4
(1,305)	1:1164:A:GLU:HB2	1:1166:A:ASN:H	2	0.38	0.08	0.38
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD11	2	0.36	0.04	0.36
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD12	2	0.36	0.04	0.36
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD13	2	0.36	0.04	0.36
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD21	2	0.36	0.04	0.36
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD22	2	0.36	0.04	0.36
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD23	2	0.36	0.04	0.36
(1,1517)	1:1206:A:LEU:HD11	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,1517)	1:1206:A:LEU:HD12	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,1517)	1:1206:A:LEU:HD13	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,1517)	1:1206:A:LEU:HD21	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,1517)	1:1206:A:LEU:HD22	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,1517)	1:1206:A:LEU:HD23	1:1240:A:LEU:HB2	2	0.34	0.06	0.34
(1,936)	1:1203:A:LEU:HD11	1:1244:A:TYR:HD1	2	0.32	0.08	0.32
(1,936)	1:1203:A:LEU:HD12	1:1244:A:TYR:HD1	2	0.32	0.08	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,936)	1:1203:A:LEU:HD13	1:1244:A:TYR:HD1	2	0.32	0.08	0.32
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE21	2	0.3	0.04	0.3
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE22	2	0.3	0.04	0.3
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE21	2	0.3	0.04	0.3
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE22	2	0.3	0.04	0.3
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE21	2	0.3	0.04	0.3
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE22	2	0.3	0.04	0.3
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE2	2	0.28	0.18	0.28
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE3	2	0.28	0.18	0.28
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG21	2	0.27	0.03	0.27
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG22	2	0.27	0.03	0.27
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG23	2	0.27	0.03	0.27
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB2	2	0.26	0.03	0.26
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB3	2	0.26	0.03	0.26
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD21	2	0.24	0.11	0.24
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD22	2	0.24	0.11	0.24
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD23	2	0.24	0.11	0.24
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD21	2	0.24	0.11	0.24
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD22	2	0.24	0.11	0.24
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD23	2	0.24	0.11	0.24
(1,267)	1:1167:A:ASP:HA	1:1170:A:THR:H	2	0.24	0.1	0.24
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB2	2	0.23	0.03	0.23
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB3	2	0.23	0.03	0.23
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB2	2	0.23	0.03	0.23
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB3	2	0.23	0.03	0.23
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE2	2	0.23	0.02	0.23
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE3	2	0.23	0.02	0.23
(1,692)	1:1213:A:MET:HA	1:1216:A:LEU:HG	2	0.23	0.06	0.23
(1,122)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	2	0.22	0.08	0.22
(1,1164)	1:1238:A:VAL:HA	1:1241:A:GLN:HB3	2	0.22	0.1	0.22
(1,1149)	1:1210:A:ILE:HG21	1:1250:A:VAL:HB	2	0.22	0.04	0.22
(1,1149)	1:1210:A:ILE:HG22	1:1250:A:VAL:HB	2	0.22	0.04	0.22
(1,1149)	1:1210:A:ILE:HG23	1:1250:A:VAL:HB	2	0.22	0.04	0.22
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD11	2	0.22	0.03	0.22
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD12	2	0.22	0.03	0.22
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD13	2	0.22	0.03	0.22
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD11	2	0.22	0.03	0.22
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD12	2	0.22	0.03	0.22
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD13	2	0.22	0.03	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG21	2	0.22	0.01	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG22	2	0.22	0.01	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG23	2	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG21	2	0.22	0.01	0.22
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG22	2	0.22	0.01	0.22
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG23	2	0.22	0.01	0.22
(1,1042)	1:1195:A:THR:HG21	1:1239:A:VAL:HB	2	0.21	0.02	0.21
(1,1042)	1:1195:A:THR:HG22	1:1239:A:VAL:HB	2	0.21	0.02	0.21
(1,1042)	1:1195:A:THR:HG23	1:1239:A:VAL:HB	2	0.21	0.02	0.21
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB2	2	0.21	0.05	0.21
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB3	2	0.21	0.05	0.21
(1,159)	1:1184:A:GLU:HB3	1:1186:A:ASP:H	2	0.2	0.02	0.2
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG2	2	0.2	0.08	0.2
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG3	2	0.2	0.08	0.2
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB2	2	0.2	0.04	0.2
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB3	2	0.2	0.04	0.2
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB2	2	0.2	0.04	0.2
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB3	2	0.2	0.04	0.2
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB2	2	0.2	0.04	0.2
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB3	2	0.2	0.04	0.2
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD21	2	0.19	0.07	0.19
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD22	2	0.19	0.07	0.19
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD23	2	0.19	0.07	0.19
(1,875)	1:1249:A:LYS:HD2	1:1250:A:VAL:H	2	0.18	0.02	0.18
(1,875)	1:1249:A:LYS:HD3	1:1250:A:VAL:H	2	0.18	0.02	0.18
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG21	2	0.17	0.05	0.17
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG22	2	0.17	0.05	0.17
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG23	2	0.17	0.05	0.17
(1,213)	1:1209:A:VAL:HB	1:1210:A:ILE:H	2	0.16	0.06	0.16
(1,193)	1:1163:A:VAL:HB	1:1164:A:GLU:H	2	0.16	0.02	0.16
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE1	2	0.16	0.03	0.16
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE2	2	0.16	0.03	0.16
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE3	2	0.16	0.03	0.16
(1,649)	1:1210:A:ILE:HA	1:1213:A:MET:H	2	0.16	0.03	0.16
(2,61)	1:1224:A:VAL:O	1:1228:A:ALA:H	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)
(1,89)	1:1187:A:ILE:HG21	1:1232:A:ILE:H	2	0.16	0.05	0.16
(1,89)	1:1187:A:ILE:HG22	1:1232:A:ILE:H	2	0.16	0.05	0.16
(1,89)	1:1187:A:ILE:HG23	1:1232:A:ILE:H	2	0.16	0.05	0.16
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG11	2	0.15	0.02	0.15
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG12	2	0.15	0.02	0.15
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG13	2	0.15	0.02	0.15
(1,731)	1:1215:A:ARG:HA	1:1218:A:GLN:H	2	0.15	0.0	0.15
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD21	2	0.15	0.03	0.15
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD22	2	0.15	0.03	0.15
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD23	2	0.15	0.03	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG11	2	0.15	0.04	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG12	2	0.15	0.04	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG13	2	0.15	0.04	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG21	2	0.15	0.04	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG22	2	0.15	0.04	0.15
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG23	2	0.15	0.04	0.15
(1,645)	1:1163:A:VAL:H	1:1164:A:GLU:HA	2	0.15	0.0	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG21	2	0.15	0.0	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG22	2	0.15	0.0	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG23	2	0.15	0.0	0.15
(1,1590)	1:1222:A:GLU:HB2	1:1223:A:SER:H	2	0.14	0.02	0.14
(1,1590)	1:1222:A:GLU:HB3	1:1223:A:SER:H	2	0.14	0.02	0.14
(1,300)	1:1216:A:LEU:HD11	1:1217:A:MET:H	2	0.14	0.01	0.14
(1,300)	1:1216:A:LEU:HD12	1:1217:A:MET:H	2	0.14	0.01	0.14
(1,300)	1:1216:A:LEU:HD13	1:1217:A:MET:H	2	0.14	0.01	0.14
(1,656)	1:1171:A:LEU:HA	1:1173:A:ARG:H	2	0.14	0.01	0.14
(1,815)	1:1237:A:GLN:HB3	1:1247:A:THR:HB	2	0.14	0.04	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG21	2	0.14	0.01	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG22	2	0.14	0.01	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG23	2	0.14	0.01	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG21	2	0.14	0.01	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG22	2	0.14	0.01	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG23	2	0.14	0.01	0.14
(2,4)	1:1185:A:GLU:O	1:1189:A:GLN:N	2	0.14	0.01	0.14
(1,216)	1:1207:A:ASP:HA	1:1210:A:ILE:H	2	0.13	0.02	0.13
(2,30)	1:1171:A:LEU:O	1:1175:A:TRP:N	2	0.13	0.01	0.13
(1,1137)	1:1224:A:VAL:HG21	1:1225:A:TRP:HD1	2	0.12	0.01	0.12
(1,1137)	1:1224:A:VAL:HG22	1:1225:A:TRP:HD1	2	0.12	0.01	0.12
(1,1137)	1:1224:A:VAL:HG23	1:1225:A:TRP:HD1	2	0.12	0.01	0.12
(2,32)	1:1172:A:LEU:O	1:1176:A:ILE:N	2	0.12	0.02	0.12
(2,56)	1:1214:A:LYS:O	1:1218:A:GLN:N	2	0.12	0.01	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG21	2	0.12	0.0	0.12

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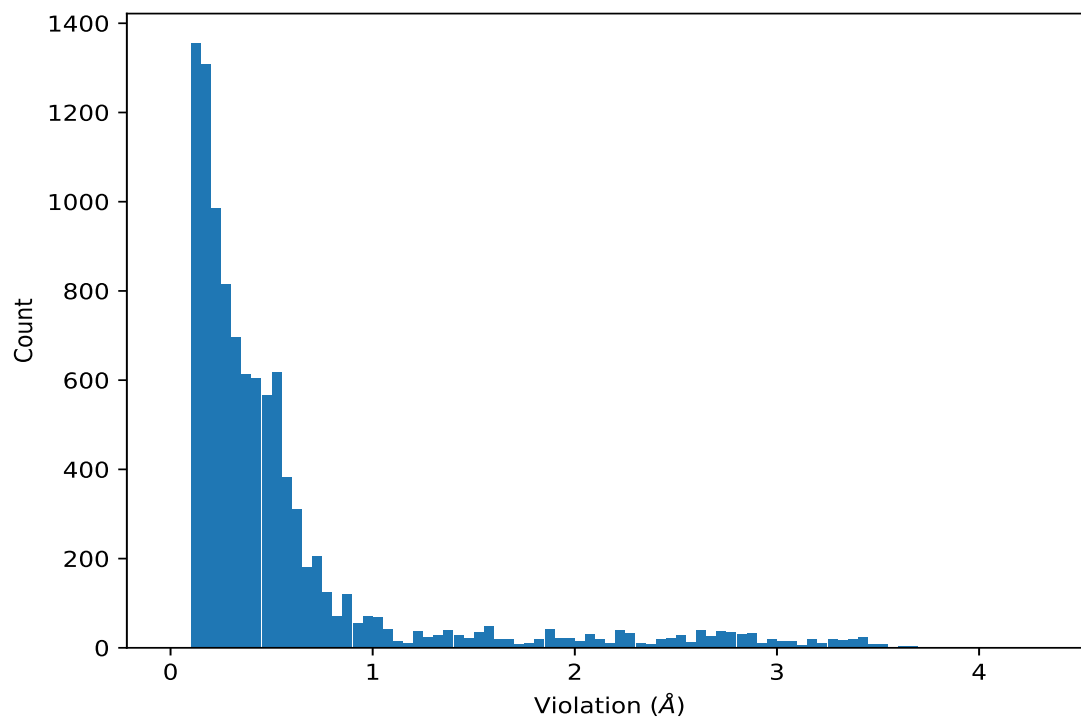
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG22	2	0.12	0.0	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG23	2	0.12	0.0	0.12
(2,52)	1:1212:A:TYR:O	1:1216:A:LEU:N	2	0.12	0.0	0.12
(1,960)	1:1237:A:GLN:HA	1:1239:A:VAL:HB	2	0.12	0.0	0.12
(1,943)	1:1240:A:LEU:H	1:1240:A:LEU:HB3	2	0.11	0.01	0.11
(2,20)	1:1166:A:ASN:O	1:1170:A:THR:N	2	0.11	0.01	0.11
(2,24)	1:1168:A:VAL:O	1:1172:A:LEU:N	2	0.11	0.0	0.11
(1,1034)	1:1187:A:ILE:HD11	1:1188:A:LEU:H	2	0.1	0.0	0.1
(1,1034)	1:1187:A:ILE:HD12	1:1188:A:LEU:H	2	0.1	0.0	0.1
(1,1034)	1:1187:A:ILE:HD13	1:1188:A:LEU:H	2	0.1	0.0	0.1
(2,53)	1:1213:A:MET:O	1:1217:A:MET:H	2	0.1	0.0	0.1

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

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)
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	4	4.31
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	4	4.13
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	16	4.02
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	20	4.02
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	16	3.82
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	11	3.69
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	14	3.69
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	20	3.68
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	4	3.63
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	4	3.63
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	4	3.63
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	14	3.53
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	18	3.52
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	3	3.52
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	9	3.52
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	4	3.51
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	4	3.51
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	4	3.51
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	3	3.51
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	9	3.49
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	4	3.48
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	4	3.48
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	4	3.48
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	11	3.48
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	13	3.47
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	5	3.46
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	19	3.44
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	19	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	19	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	19	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	19	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	19	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	19	3.43
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	8	3.43
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	16	3.43
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	16	3.43
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	16	3.43
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	18	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	18	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	18	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	18	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	18	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	18	3.41
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	5	3.41
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	9	3.38
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	14	3.37
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	14	3.37
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	14	3.37
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	14	3.37
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	14	3.37
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	14	3.37
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	19	3.36
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	10	3.36
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	10	3.35
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	3	3.33
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	20	3.32
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	20	3.32
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	20	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	20	3.32
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	20	3.32
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	20	3.32
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	18	3.32
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	6	3.31
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	3	3.31
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	3	3.3
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	11	3.29
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	11	3.29
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	11	3.29
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	11	3.29
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	11	3.29
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	11	3.29
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	9	3.29
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	9	3.29
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	9	3.29
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	2	3.27
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	15	3.27
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	14	3.26
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	14	3.26
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	14	3.26
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	13	3.25
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	18	3.25
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	18	3.25
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	18	3.25
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	20	3.23
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	20	3.23
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	20	3.23
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	6	3.23
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	13	3.22
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	4	3.21
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	11	3.2
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	11	3.2
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	11	3.2
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	12	3.2
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	20	3.18
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	20	3.18
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	20	3.18
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	3	3.18
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	3	3.18
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	3	3.18
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	9	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	9	3.17
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	9	3.17
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	20	3.17
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	4	3.16
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	4	3.16
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	4	3.16
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	4	3.16
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	4	3.16
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	4	3.16
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	15	3.15
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	8	3.15
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	10	3.15
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	15	3.14
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	2	3.13
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	19	3.11
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	19	3.11
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	19	3.11
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	5	3.1
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	18	3.09
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	8	3.08
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	11	3.07
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	11	3.07
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	11	3.07
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	11	3.07
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	20	3.06
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	20	3.06
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	20	3.06
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	12	3.06
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	7	3.06
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	11	3.05
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	11	3.05
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	11	3.05
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	2	3.05
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	19	3.04
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	7	3.03
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	7	3.03
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	7	3.03
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	7	3.03
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	7	3.03
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	7	3.03
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	20	3.03
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	16	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	16	3.02
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	16	3.02
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	1	3.02
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	6	3.02
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	7	3.0
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	18	3.0
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	12	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	12	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	12	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	12	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	12	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	12	2.99
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	11	2.99
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	20	2.99
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	17	2.98
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	17	2.98
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	17	2.98
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	17	2.98
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	17	2.98
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	17	2.98
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	3	2.98
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	4	2.98
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	9	2.98
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	1	2.97
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	20	2.96
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	7	2.94
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	9	2.93
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	9	2.93
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	9	2.93
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	16	2.93
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	16	2.93
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	16	2.93
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	8	2.92
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	17	2.9
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	15	2.89
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	15	2.89
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	15	2.89
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	19	2.89
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	2	2.88
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	2	2.88
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	2	2.88
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	2	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	2	2.88
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	2	2.88
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	14	2.88
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	14	2.88
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	14	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	1	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	1	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	1	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	6	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	6	2.88
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	6	2.88
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	15	2.87
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	15	2.87
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	15	2.87
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	15	2.87
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	15	2.87
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	15	2.87
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	14	2.87
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	14	2.87
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	14	2.87
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	19	2.86
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	19	2.86
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	19	2.86
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	2	2.85
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	2	2.84
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	2	2.84
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	2	2.84
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	12	2.83
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	12	2.83
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	12	2.83
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	2	2.83
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	16	2.82
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	16	2.82
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	16	2.82
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	2	2.81
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	2	2.81
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	2	2.81
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	6	2.81
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	1	2.8
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	1	2.8
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	1	2.8
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	1	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	1	2.8
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	1	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	4	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	4	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	4	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	17	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	17	2.8
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	17	2.8
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	15	2.8
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	15	2.8
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	15	2.8
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	17	2.8
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	7	2.79
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	8	2.78
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	8	2.78
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	8	2.78
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	5	2.78
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	8	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	8	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	8	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	8	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	8	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	8	2.77
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	2	2.77
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	2	2.77
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	2	2.77
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	12	2.77
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	9	2.77
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	17	2.77
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	13	2.76
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	13	2.76
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	13	2.76
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	13	2.76
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	13	2.76
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	13	2.76
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	6	2.76
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	6	2.76
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	6	2.76
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	5	2.76
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	5	2.75
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	5	2.75
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	5	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	3	2.75
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	3	2.75
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	3	2.75
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	13	2.75
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	2	2.74
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	2	2.74
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	2	2.74
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	17	2.74
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	7	2.73
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	7	2.73
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	7	2.73
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	10	2.73
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	10	2.73
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	10	2.73
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	5	2.73
(1,966)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	5	2.72
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	3	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	3	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	3	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	18	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	18	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	18	2.71
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	18	2.71
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	5	2.71
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	5	2.71
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	5	2.71
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	8	2.7
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	8	2.7
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	8	2.7
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	10	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	6	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	6	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	6	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	17	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	17	2.7
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	17	2.7
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	3	2.7
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	20	2.7
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	20	2.7
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	20	2.7
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	7	2.7
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	17	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	3	2.69
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	8	2.68
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	8	2.68
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	8	2.68
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	7	2.68
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	7	2.68
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	7	2.68
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	8	2.68
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	5	2.67
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	5	2.67
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	5	2.67
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	7	2.67
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	7	2.67
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	7	2.67
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	17	2.67
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	8	2.66
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	8	2.66
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	8	2.66
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	15	2.66
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	13	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	13	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	13	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	14	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	14	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	14	2.65
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	10	2.64
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	10	2.64
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	10	2.64
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	19	2.64
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	19	2.64
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	19	2.64
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	2	2.64
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	2	2.64
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	2	2.64
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	17	2.64
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	17	2.64
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	17	2.64
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	7	2.64
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	18	2.63
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	18	2.63
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	18	2.63
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	18	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	18	2.63
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	18	2.63
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	3	2.63
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	3	2.63
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	3	2.63
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	9	2.63
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	9	2.63
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	9	2.63
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	8	2.63
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	11	2.63
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	11	2.63
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	11	2.63
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	11	2.63
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	11	2.62
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	19	2.61
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	19	2.61
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	19	2.61
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	11	2.61
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	11	2.61
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	11	2.61
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	15	2.61
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	5	2.61
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	11	2.61
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	10	2.58
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	10	2.58
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	10	2.58
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	5	2.57
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	5	2.57
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	5	2.57
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	13	2.57
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	13	2.57
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	13	2.57
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	3	2.57
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	17	2.57
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	2	2.56
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	12	2.54
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	12	2.54
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	12	2.54
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	13	2.53
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	13	2.53
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	13	2.53
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	19	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	19	2.53
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	19	2.53
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	6	2.52
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	6	2.52
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	6	2.52
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	3	2.52
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	7	2.51
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	7	2.51
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	7	2.51
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG11	1	2.51
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG12	1	2.51
(1,974)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG13	1	2.51
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	8	2.51
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	5	2.51
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	5	2.5
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	5	2.5
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	5	2.5
(1,1023)	1:1193:A:TYR:HD1	1:1209:A:VAL:HB	1	2.5
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	8	2.5
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	5	2.5
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	5	2.49
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	5	2.49
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	5	2.49
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	6	2.49
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	6	2.49
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	6	2.49
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	15	2.48
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	15	2.48
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	15	2.48
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	17	2.47
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	6	2.46
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	6	2.46
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	6	2.46
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	6	2.46
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	6	2.46
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	6	2.46
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	17	2.46
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	7	2.46
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD11	20	2.45
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD12	20	2.45
(1,1108)	1:1231:A:PHE:HD1	1:1232:A:ILE:HD13	20	2.45
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	7	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	7	2.44
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	7	2.44
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	11	2.44
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	8	2.43
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	7	2.41
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	7	2.41
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	7	2.41
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	18	2.41
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	18	2.41
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	8	2.4
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	8	2.4
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	8	2.4
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	2	2.4
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	2	2.4
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	2	2.4
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	20	2.4
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	16	2.4
(1,682)	1:1240:A:LEU:HA	1:1244:A:TYR:HD1	6	2.39
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	16	2.38
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	20	2.37
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	20	2.37
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	20	2.37
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	20	2.37
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	2	2.35
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	8	2.34
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	8	2.34
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	8	2.34
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	15	2.34
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	10	2.34
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	13	2.32
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	13	2.32
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	13	2.32
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	18	2.32
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	14	2.32
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	5	2.3
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	5	2.29
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	5	2.29
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	5	2.29
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	13	2.29
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	13	2.29
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	13	2.29
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	11	2.29
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	11	2.29
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	3	2.29
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	6	2.29
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	12	2.29
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	15	2.29
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	12	2.28
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	12	2.28
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	12	2.28
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	11	2.28
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	1	2.28
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	3	2.28
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	15	2.27
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	15	2.27
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	15	2.27
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	17	2.26
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	17	2.26
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	17	2.26
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	2	2.26
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	2	2.26
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	2	2.26
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	8	2.25
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	18	2.25
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	18	2.25
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	18	2.25
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	3	2.24
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	3	2.24
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	3	2.24
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	2	2.24
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	17	2.24
(1,966)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	17	2.23
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	7	2.23
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	3	2.22
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	3	2.22
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	3	2.22
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	9	2.22
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	9	2.22
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	9	2.22
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	17	2.22
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	17	2.22
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	17	2.22
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	8	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	12	2.21
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	12	2.21
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	12	2.21
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	3	2.21
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD11	5	2.2
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD12	5	2.2
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD13	5	2.2
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD21	5	2.2
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD22	5	2.2
(1,1442)	1:1193:A:TYR:HD1	1:1206:A:LEU:HD23	5	2.2
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	10	2.2
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	10	2.2
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	10	2.2
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	17	2.2
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	17	2.2
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	17	2.2
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	11	2.2
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	11	2.2
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	11	2.2
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	16	2.2
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	16	2.2
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	16	2.2
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	1	2.18
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	7	2.18
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	11	2.18
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	19	2.18
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	19	2.18
(1,730)	1:1173:A:ARG:HA	1:1212:A:TYR:HE1	14	2.16
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	10	2.15
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	10	2.15
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	10	2.15
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	20	2.15
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	17	2.14
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	14	2.14
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG21	1	2.13
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG22	1	2.13
(1,1265)	1:1193:A:TYR:HD1	1:1209:A:VAL:HG23	1	2.13
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	5	2.13
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	4	2.12
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	4	2.12
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	4	2.12
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	16	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	18	2.12
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	4	2.11
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	18	2.1
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	18	2.1
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	18	2.1
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	2	2.1
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	2	2.1
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	9	2.1
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	5	2.09
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	17	2.08
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	17	2.08
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	17	2.08
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	15	2.08
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	15	2.08
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	15	2.08
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	8	2.08
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	8	2.08
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	8	2.08
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	13	2.08
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	10	2.08
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	17	2.08
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	17	2.08
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	17	2.08
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	7	2.07
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	7	2.07
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	7	2.07
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	4	2.07
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	20	2.07
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	3	2.07
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	3	2.07
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	17	2.06
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	14	2.05
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	14	2.05
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	14	2.05
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	18	2.05
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	6	2.05
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	4	2.05
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	12	2.05
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	5	2.03
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	9	2.03
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	2	2.03
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	5	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:1173:A:ARG:H	1:1212:A:TYR:HE1	16	2.03
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	3	2.01
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	10	2.01
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	10	2.01
(1,1190)	1:1198:A:ILE:HG21	1:1244:A:TYR:HD1	6	2.0
(1,1190)	1:1198:A:ILE:HG22	1:1244:A:TYR:HD1	6	2.0
(1,1190)	1:1198:A:ILE:HG23	1:1244:A:TYR:HD1	6	2.0
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	3	2.0
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	3	2.0
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	3	2.0
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	7	1.99
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	13	1.99
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	13	1.99
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	11	1.98
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	11	1.98
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	17	1.98
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	20	1.98
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	18	1.97
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	20	1.97
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	20	1.96
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	7	1.96
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	3	1.96
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	20	1.96
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	3	1.95
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	3	1.95
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	3	1.95
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	3	1.95
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	3	1.95
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	3	1.95
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	2	1.95
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	10	1.95
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	20	1.94
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	20	1.94
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	20	1.94
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	2	1.94
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	15	1.94
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	15	1.94
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	15	1.94
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	12	1.92
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	7	1.91
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	15	1.91
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:1193:A:TYR:HE1	1:1209:A:VAL:HB	1	1.91
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	12	1.9
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	12	1.9
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	12	1.9
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	12	1.9
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	12	1.9
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	12	1.9
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	8	1.9
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	8	1.9
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	8	1.9
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	1	1.89
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	1	1.89
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	1	1.89
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	15	1.89
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	15	1.89
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	15	1.89
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	3	1.89
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	18	1.88
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	18	1.88
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	18	1.88
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	18	1.88
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	18	1.88
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	18	1.88
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	6	1.88
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	5	1.88
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	9	1.88
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	4	1.88
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	4	1.88
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	6	1.88
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	6	1.88
(1,610)	1:1231:A:PHE:HD1	1:1232:A:ILE:HA	14	1.87
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	11	1.87
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	9	1.86
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	9	1.86
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	9	1.86
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	1	1.86
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	1	1.86
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	1	1.86
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	14	1.86
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	18	1.86
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	5	1.86
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG21	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG22	12	1.85
(1,1264)	1:1193:A:TYR:HE1	1:1209:A:VAL:HG23	12	1.85
(1,1006)	1:1187:A:ILE:HG21	1:1231:A:PHE:HD1	18	1.85
(1,1006)	1:1187:A:ILE:HG22	1:1231:A:PHE:HD1	18	1.85
(1,1006)	1:1187:A:ILE:HG23	1:1231:A:PHE:HD1	18	1.85
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	18	1.85
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	11	1.85
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	3	1.85
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	3	1.85
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	3	1.85
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	5	1.84
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	5	1.84
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	12	1.84
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	12	1.84
(1,406)	1:1198:A:ILE:HG21	1:1244:A:TYR:HE1	6	1.83
(1,406)	1:1198:A:ILE:HG22	1:1244:A:TYR:HE1	6	1.83
(1,406)	1:1198:A:ILE:HG23	1:1244:A:TYR:HE1	6	1.83
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	2	1.83
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	11	1.82
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	15	1.82
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	20	1.81
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	20	1.81
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	20	1.81
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	20	1.81
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	20	1.81
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	20	1.81
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	4	1.81
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	4	1.81
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	4	1.81
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	7	1.81
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	8	1.79
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	18	1.78
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	8	1.78
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	17	1.76
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	11	1.76
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	11	1.76
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	11	1.76
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	15	1.76
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	18	1.76
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	18	1.76
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	10	1.74
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	10	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	15	1.72
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	2	1.71
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	6	1.7
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	15	1.7
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	17	1.7
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	19	1.69
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	8	1.69
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	4	1.69
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	20	1.69
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	20	1.69
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	20	1.69
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	7	1.68
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	9	1.68
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	9	1.68
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	20	1.68
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	20	1.68
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	13	1.67
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	2	1.67
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	2	1.67
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	15	1.66
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	13	1.66
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	1	1.66
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	1	1.66
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	17	1.65
(1,404)	1:1198:A:ILE:HG12	1:1244:A:TYR:HE1	6	1.64
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	5	1.64
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	5	1.64
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	2	1.63
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	2	1.63
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	2	1.63
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	2	1.63
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	2	1.63
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	2	1.63
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	12	1.62
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	5	1.62
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	17	1.62
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	1	1.61
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	5	1.6
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	5	1.6
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	5	1.6
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	5	1.6
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	5	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	5	1.6
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	12	1.6
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	16	1.58
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	11	1.58
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	11	1.58
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	5	1.57
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	5	1.57
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	5	1.57
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	5	1.57
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	5	1.57
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	5	1.57
(1,812)	1:1243:A:THR:HB	1:1244:A:TYR:HD1	6	1.57
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	9	1.57
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	16	1.57
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	18	1.57
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	19	1.57
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	19	1.57
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	7	1.56
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	7	1.56
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	7	1.56
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	7	1.56
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	7	1.56
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	7	1.56
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	3	1.56
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	3	1.56
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	3	1.56
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	3	1.56
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	3	1.56
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	3	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	5	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	5	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	5	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	5	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	5	1.56
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	5	1.56
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	15	1.56
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	19	1.56
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	18	1.56
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	18	1.56
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	18	1.56
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	8	1.55
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	8	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	8	1.55
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	8	1.55
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	8	1.55
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	8	1.55
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	20	1.55
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	20	1.55
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	20	1.55
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	13	1.55
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	3	1.54
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	3	1.54
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	3	1.54
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	7	1.53
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	11	1.52
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	11	1.52
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	11	1.52
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	11	1.52
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	11	1.52
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	11	1.52
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	18	1.52
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	18	1.52
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	18	1.52
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	18	1.52
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	18	1.52
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	18	1.52
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	13	1.52
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	20	1.52
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	12	1.52
(1,684)	1:1228:A:ALA:HA	1:1231:A:PHE:HD1	12	1.51
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	6	1.51
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	17	1.5
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	18	1.5
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	18	1.5
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	18	1.5
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	18	1.5
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	18	1.5
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	18	1.5
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	17	1.5
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	8	1.49
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	3	1.49
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	9	1.48
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	9	1.48
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	15	1.48
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	8	1.48
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	2	1.47
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	2	1.47
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	2	1.47
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	3	1.47
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	2	1.46
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	2	1.46
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	2	1.46
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	11	1.46
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	18	1.45
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	18	1.45
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	18	1.45
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	7	1.45
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	7	1.45
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	7	1.45
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	20	1.45
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	18	1.45
(1,562)	1:1193:A:TYR:HD1	1:1194:A:CYS:HA	1	1.44
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	14	1.43
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	5	1.43
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	5	1.43
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	5	1.43
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	15	1.42
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	15	1.42
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	15	1.42
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	15	1.42
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	15	1.42
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	15	1.42
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	10	1.42
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	10	1.42
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	19	1.42
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	6	1.41
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	6	1.41
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	6	1.41
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	6	1.41
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	6	1.41
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	20	1.4
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	20	1.4
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	20	1.4
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	20	1.4
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	20	1.4
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	20	1.4
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	8	1.4
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	8	1.4
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	18	1.4
(1,1702)	1:1240:A:LEU:HD11	1:1244:A:TYR:HE1	6	1.39
(1,1702)	1:1240:A:LEU:HD12	1:1244:A:TYR:HE1	6	1.39
(1,1702)	1:1240:A:LEU:HD13	1:1244:A:TYR:HE1	6	1.39
(1,1702)	1:1240:A:LEU:HD21	1:1244:A:TYR:HE1	6	1.39
(1,1702)	1:1240:A:LEU:HD22	1:1244:A:TYR:HE1	6	1.39
(1,1702)	1:1240:A:LEU:HD23	1:1244:A:TYR:HE1	6	1.39
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	8	1.39
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	8	1.39
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	8	1.39
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	8	1.39
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	8	1.39
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	8	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	3	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	3	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	12	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	12	1.39
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	11	1.39
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	11	1.39
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	11	1.39
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	7	1.39
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	7	1.39
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	14	1.38
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	14	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	17	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	17	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	17	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	17	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	17	1.38
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	17	1.38
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	13	1.38
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	13	1.38
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	13	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	13	1.38
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	2	1.38
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	7	1.38
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	1	1.37
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	2	1.37
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	4	1.35
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	17	1.35
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	17	1.35
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	18	1.34
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	7	1.33
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	7	1.33
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	7	1.33
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	1	1.33
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	1	1.33
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	1	1.33
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	15	1.31
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	15	1.31
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	15	1.31
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	15	1.31
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	15	1.31
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	15	1.31
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	17	1.31
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	17	1.31
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	14	1.31
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	14	1.31
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	14	1.31
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	15	1.31
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	15	1.31
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	15	1.31
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	2	1.3
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	2	1.3
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	2	1.3
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	2	1.3
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	2	1.3
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	2	1.3
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	5	1.3
(1,811)	1:1243:A:THR:HB	1:1244:A:TYR:HE1	6	1.29
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	11	1.29
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	8	1.29
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	8	1.29
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	4	1.27
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	19	1.27
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	19	1.27
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	20	1.27
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	7	1.26
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	7	1.26
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	7	1.26
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	7	1.26
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	7	1.26
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	7	1.26
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	7	1.26
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	7	1.26
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	7	1.26
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	5	1.26
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	20	1.25
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	18	1.25
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	5	1.25
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	4	1.25
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	8	1.24
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	8	1.24
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	8	1.24
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	17	1.23
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	17	1.23
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	17	1.23
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	17	1.23
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	17	1.23
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	17	1.23
(1,1159)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	5	1.23
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	18	1.23
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	18	1.23
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	18	1.23
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	5	1.23
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	12	1.23
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	20	1.23
(1,1701)	1:1240:A:LEU:HD11	1:1244:A:TYR:HD1	11	1.22
(1,1701)	1:1240:A:LEU:HD12	1:1244:A:TYR:HD1	11	1.22
(1,1701)	1:1240:A:LEU:HD13	1:1244:A:TYR:HD1	11	1.22
(1,1701)	1:1240:A:LEU:HD21	1:1244:A:TYR:HD1	11	1.22
(1,1701)	1:1240:A:LEU:HD22	1:1244:A:TYR:HD1	11	1.22
(1,1701)	1:1240:A:LEU:HD23	1:1244:A:TYR:HD1	11	1.22
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	6	1.22
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	6	1.22
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	15	1.22
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	8	1.22
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	5	1.22
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG2	5	1.2
(1,1546)	1:1213:A:MET:HB3	1:1217:A:MET:HG3	5	1.2
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	17	1.2
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	17	1.2
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	17	1.2
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	7	1.2
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	10	1.2
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	17	1.2
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	17	1.19
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	17	1.19
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	17	1.19
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	10	1.17
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	10	1.17
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	10	1.17
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	4	1.17
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	4	1.17
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	4	1.17
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	14	1.17
(1,1737)	1:1159:A:LEU:HB3	1:1168:A:VAL:HG11	5	1.14
(1,1737)	1:1159:A:LEU:HB3	1:1168:A:VAL:HG12	5	1.14
(1,1737)	1:1159:A:LEU:HB3	1:1168:A:VAL:HG13	5	1.14
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	13	1.14
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	13	1.14
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	13	1.14
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	12	1.13
(1,1337)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	12	1.13
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	19	1.13
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	19	1.13
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	19	1.13
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	15	1.12
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	11	1.11
(1,396)	1:1244:A:TYR:H	1:1244:A:TYR:HE1	6	1.11
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	3	1.09
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	3	1.09
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	3	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG11	9	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG12	9	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG13	9	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG11	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG12	9	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG13	9	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG11	16	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG12	16	1.09
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG13	16	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG11	16	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG12	16	1.09
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG13	16	1.09
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	3	1.09
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	3	1.09
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	3	1.09
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	9	1.09
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	7	1.09
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	6	1.08
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	6	1.08
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	6	1.08
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	2	1.07
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	2	1.07
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	2	1.07
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	12	1.07
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	12	1.07
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	12	1.07
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	11	1.07
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	11	1.06
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	20	1.06
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	20	1.06
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	20	1.06
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	20	1.06
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	20	1.06
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	20	1.06
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	18	1.06
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	17	1.06
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	17	1.06
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	17	1.06
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	2	1.05
(1,1159)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	12	1.04
(1,696)	1:1212:A:TYR:HD1	1:1213:A:MET:HA	2	1.04
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	9	1.04
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	17	1.04
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	16	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	9	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	9	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	9	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	9	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	9	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	15	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	15	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	15	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	15	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	15	1.03
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	15	1.03
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG3	10	1.03
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG3	10	1.03
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG3	10	1.03
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG3	10	1.03
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG3	10	1.03
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG2	10	1.03
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG3	10	1.03
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	16	1.03
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	16	1.03
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	16	1.03
(1,648)	1:1198:A:ILE:HA	1:1244:A:TYR:HE1	6	1.03
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	6	1.03
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	8	1.03
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	7	1.02
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	7	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	13	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	14	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	14	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	14	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	14	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	14	1.02
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	13	1.01
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	13	1.01
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	4	1.01
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	4	1.01
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	14	1.0
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	20	1.0
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	20	1.0
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	20	1.0
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	20	1.0
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	20	1.0
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	20	1.0
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	20	1.0
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	15	1.0
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	17	1.0
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	3	0.99
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	3	0.99
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	3	0.99
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	9	0.98
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	9	0.98
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	9	0.98
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	9	0.98
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	9	0.98
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	9	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	6	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	19	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	19	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	19	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	19	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	19	0.98
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	19	0.98
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	7	0.98
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	7	0.98
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	1	0.98
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	1	0.98
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	1	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	3	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	3	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	3	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	3	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	3	0.98
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	3	0.98
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	12	0.98
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	11	0.97
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	11	0.97
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	11	0.97
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	7	0.97
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD11	12	0.96
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD12	12	0.96
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD13	12	0.96
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD11	12	0.96
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD12	12	0.96
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD13	12	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	3	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	3	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	3	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	3	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	3	0.96
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	3	0.96
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	5	0.96
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	5	0.96
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	5	0.96
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	16	0.96
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	16	0.96
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	16	0.96
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	10	0.96
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	10	0.96
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	10	0.96
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	9	0.95
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	9	0.95
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	9	0.95
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	19	0.95
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	19	0.95
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	15	0.95
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	15	0.95
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	15	0.95
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	1	0.95
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	14	0.95
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	14	0.95
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	4	0.94
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	8	0.94
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	11	0.94
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	3	0.93
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	2	0.92
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	20	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	1	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	1	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	1	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	1	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	1	0.92
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	1	0.92
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	9	0.92
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	9	0.92
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	9	0.92
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	3	0.92
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	3	0.92
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	3	0.92
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	15	0.92
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	15	0.92
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	15	0.92
(1,407)	1:1243:A:THR:HG21	1:1244:A:TYR:HE1	6	0.92
(1,407)	1:1243:A:THR:HG22	1:1244:A:TYR:HE1	6	0.92
(1,407)	1:1243:A:THR:HG23	1:1244:A:TYR:HE1	6	0.92
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	17	0.91
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	17	0.91
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	17	0.91
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	9	0.9
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	9	0.9
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	9	0.9
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	9	0.9
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	9	0.9
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	9	0.9
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	9	0.9
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	9	0.9
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	9	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	9	0.9
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	9	0.9
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	9	0.9
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	17	0.9
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	17	0.9
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	17	0.9
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	10	0.9
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	10	0.9
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	10	0.9
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	12	0.9
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	12	0.9
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	12	0.9
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	4	0.9
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	4	0.9
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	4	0.9
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	4	0.9
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	4	0.9
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	4	0.9
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	20	0.9
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	17	0.89
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	17	0.89
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	17	0.89
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	15	0.89
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	15	0.89
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	15	0.89
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	15	0.89
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	15	0.89
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	15	0.89
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	15	0.89
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	8	0.89
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	8	0.89
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	17	0.89
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	17	0.89
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	15	0.89
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	15	0.89
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	15	0.89
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	18	0.89
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	18	0.89
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	10	0.89
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	10	0.89
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	10	0.89
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	14	0.89
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	14	0.89
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	14	0.89
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	3	0.89
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	20	0.89
(1,400)	1:1173:A:ARG:HB2	1:1212:A:TYR:HE1	16	0.89
(1,400)	1:1173:A:ARG:HB3	1:1212:A:TYR:HE1	16	0.89
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	2	0.89
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	16	0.88
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	16	0.88
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	16	0.88
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	16	0.88
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	16	0.88
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	16	0.88
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	16	0.88
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB2	14	0.88
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB3	14	0.88
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB2	14	0.88
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB3	14	0.88
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB2	14	0.88
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB3	14	0.88
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	16	0.88
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	16	0.88
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	16	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	13	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	13	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	13	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	13	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	13	0.88
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	13	0.88
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	18	0.88
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	6	0.87
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	6	0.87
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	7	0.87
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	4	0.86
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	4	0.86
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	4	0.86
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	4	0.86
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	4	0.86
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	4	0.86
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	4	0.86
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	5	0.86
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	5	0.86
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	5	0.86
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	7	0.86
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	7	0.86
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	7	0.86
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	6	0.86
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	6	0.86
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	6	0.86
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	17	0.86
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	8	0.86
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	8	0.86
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	8	0.86
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	19	0.85
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	19	0.85
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	19	0.85
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	19	0.85
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	19	0.85
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	19	0.85
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	19	0.85
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	19	0.85
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	13	0.85
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	13	0.85
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	13	0.85
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	5	0.85
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	5	0.85
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	5	0.85
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	8	0.85
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	8	0.85
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	8	0.85
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	9	0.85
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	9	0.85
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	9	0.85
(1,686)	1:1248:A:LEU:HA	1:1250:A:VAL:H	3	0.85
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	6	0.84
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	17	0.84
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	17	0.84
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	17	0.84
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	17	0.84
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	17	0.84
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	17	0.84
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	3	0.84
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	3	0.84
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	3	0.84
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	5	0.84
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	19	0.83
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	19	0.83
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	19	0.83
(1,966)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE2	12	0.83
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	6	0.83
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	6	0.83
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	3	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	10	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	10	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	10	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	10	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	10	0.83
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	9	0.82
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	9	0.82
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	7	0.82
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	7	0.82
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	16	0.82
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	16	0.82
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	3	0.81
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	3	0.81
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	10	0.81
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	10	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	15	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	16	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	16	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	16	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	16	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	16	0.81
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	16	0.81
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	9	0.81
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	9	0.81
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	9	0.81
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	10	0.8
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	10	0.8
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	10	0.8
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	10	0.8
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	10	0.8
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	10	0.8
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	10	0.8
(1,1159)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	18	0.8
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	8	0.8
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	8	0.8
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	8	0.8
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	8	0.79
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	18	0.79
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	18	0.79
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	18	0.79
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	18	0.79
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	18	0.79
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	18	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	1	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	3	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	3	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	3	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	3	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	3	0.79
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	3	0.79
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	18	0.79
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	18	0.79
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	18	0.79
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	4	0.79
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	4	0.79
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	12	0.79
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	12	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	6	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	6	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	6	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	6	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	6	0.79
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	6	0.79
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	12	0.78
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	12	0.78
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	12	0.78
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	12	0.78
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	12	0.78
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	12	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	9	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	9	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	9	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	9	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	9	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	13	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	14	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	14	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	14	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	14	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	14	0.78
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	14	0.78
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	15	0.78
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	15	0.78
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	15	0.78
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	20	0.78
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	20	0.78
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	20	0.78
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	8	0.78
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	8	0.78
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	8	0.78
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	7	0.78
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	7	0.78
(1,930)	1:1203:A:LEU:HD11	1:1206:A:LEU:HB3	5	0.78
(1,930)	1:1203:A:LEU:HD12	1:1206:A:LEU:HB3	5	0.78
(1,930)	1:1203:A:LEU:HD13	1:1206:A:LEU:HB3	5	0.78
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	19	0.78
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	19	0.78
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	19	0.78
(1,740)	1:1241:A:GLN:HG2	1:1246:A:SER:HA	6	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	16	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	16	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	16	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	16	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	16	0.78
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	16	0.78
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	19	0.78
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE21	20	0.77
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE22	20	0.77
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE21	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE22	20	0.77
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE21	20	0.77
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE22	20	0.77
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	8	0.76
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	8	0.76
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	8	0.76
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	8	0.76
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	8	0.76
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	8	0.76
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	2	0.76
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	2	0.76
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	2	0.76
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	17	0.76
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	17	0.76
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	17	0.76
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	20	0.76
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	20	0.76
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	20	0.76
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	8	0.76
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	8	0.75
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	8	0.75
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	8	0.75
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	8	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	7	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	7	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	7	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	7	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	7	0.75
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	7	0.75
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	17	0.75
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	17	0.75
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	17	0.75
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	3	0.75
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	3	0.75
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	3	0.75
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	6	0.75
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	20	0.75
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	20	0.75
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	20	0.75
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	6	0.75
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD11	12	0.74
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD12	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD13	12	0.74
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD21	12	0.74
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD22	12	0.74
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD23	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD11	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD12	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD13	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD21	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD22	12	0.74
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD23	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD11	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD12	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD13	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD21	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD22	12	0.74
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD23	12	0.74
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	1	0.74
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	1	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	16	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	16	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	16	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	16	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	16	0.74
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	16	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	2	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	4	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	4	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	4	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	4	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	4	0.74
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	4	0.74
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD11	9	0.74
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD12	9	0.74
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD13	9	0.74
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	5	0.74
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	5	0.74
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	5	0.74
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	5	0.74
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	5	0.74
(1,398)	1:1244:A:TYR:H	1:1244:A:TYR:HD1	15	0.74
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	8	0.73
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	8	0.73
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	8	0.73
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	8	0.73
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	8	0.73
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	8	0.73
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	8	0.73
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	9	0.73
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	9	0.73
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	9	0.73
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	9	0.73
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	9	0.73
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	9	0.73
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	9	0.73
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	2	0.73
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	2	0.73
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG2	6	0.73
(1,1475)	1:1200:A:GLU:HA	1:1201:A:LYS:HG3	6	0.73
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD11	4	0.73
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD12	4	0.73
(1,1406)	1:1184:A:GLU:HG2	1:1188:A:LEU:HD13	4	0.73
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD11	4	0.73
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD12	4	0.73
(1,1406)	1:1184:A:GLU:HG3	1:1188:A:LEU:HD13	4	0.73
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	19	0.73
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	19	0.73
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	19	0.73
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	19	0.73
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	19	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	11	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	11	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	11	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	11	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	11	0.73
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	11	0.73
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	12	0.73
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	12	0.73
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	12	0.73
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	19	0.73
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	19	0.73
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	19	0.73
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD21	12	0.73
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD22	12	0.73
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD23	12	0.73
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	8	0.73
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	8	0.73
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	8	0.73
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	8	0.73
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	11	0.73
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	11	0.73
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	11	0.73
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	20	0.72
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	20	0.72
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	20	0.72
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	20	0.72
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	20	0.72
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	20	0.72
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	20	0.72
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	7	0.72
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	7	0.72
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	7	0.72
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	4	0.72
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	4	0.72
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	20	0.72
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	20	0.72
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	20	0.72
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	9	0.72
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	9	0.72
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	9	0.72
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	18	0.72
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	9	0.72
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	9	0.72
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	9	0.72
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG11	13	0.71
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG12	13	0.71
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG13	13	0.71
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG21	13	0.71
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG22	13	0.71
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG23	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG11	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG12	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG13	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG21	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG22	13	0.71
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG23	13	0.71
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE22	6	0.71
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE22	6	0.71
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE22	6	0.71
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE22	6	0.71
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE22	6	0.71
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE21	6	0.71
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE22	6	0.71
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	12	0.71
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	12	0.71
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	20	0.71
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	20	0.71
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	20	0.71
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	16	0.71
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	16	0.71
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	16	0.71
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	11	0.71
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	11	0.71
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	11	0.71
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	1	0.71
(1,686)	1:1248:A:LEU:HA	1:1250:A:VAL:H	13	0.71
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	15	0.71
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	15	0.71
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	15	0.71
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	14	0.71
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	14	0.71
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD11	9	0.7
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD12	9	0.7
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD13	9	0.7
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD11	9	0.7
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD12	9	0.7
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD13	9	0.7
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	16	0.7
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	16	0.7
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	16	0.7
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	16	0.7
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	16	0.7
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	16	0.7
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	9	0.7
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	9	0.7
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	4	0.7
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	4	0.7
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	4	0.7
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	4	0.7
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	4	0.7
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	4	0.7
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	16	0.69
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	16	0.69
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	16	0.69
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	16	0.69
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	16	0.69
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	16	0.69
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	19	0.69
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	19	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	5	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	5	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	5	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	5	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	5	0.69
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	5	0.69
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD11	2	0.69
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD12	2	0.69
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD13	2	0.69
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD11	2	0.69
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD12	2	0.69
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD13	2	0.69
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	4	0.69
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	4	0.69
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	4	0.69
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	4	0.69
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	4	0.69
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	4	0.69
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	16	0.69
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	18	0.69
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	18	0.69
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	18	0.69
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	9	0.69
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	9	0.69
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	15	0.69
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	11	0.69
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	11	0.69
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	11	0.69
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	15	0.68
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	15	0.68
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE2	6	0.68
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE3	6	0.68
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	3	0.68
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	19	0.68
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	19	0.68
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	4	0.68
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	4	0.68
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	4	0.68
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	17	0.68
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	17	0.68
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	17	0.68
(1,1011)	1:1217:A:MET:HB2	1:1229:A:PHE:HA	1	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	1	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	1	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	1	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	14	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	14	0.68
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	14	0.68
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG21	14	0.68
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG22	14	0.68
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG23	14	0.68
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	10	0.68
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	19	0.68
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	1	0.68
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	1	0.68
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	1	0.68
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	2	0.67
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	2	0.67
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	2	0.67
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	7	0.67
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	7	0.67
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	7	0.67
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	7	0.67
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	7	0.67
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	7	0.67
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	7	0.67
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD11	18	0.67
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD12	18	0.67
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD13	18	0.67
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	2	0.67
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	4	0.67
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	4	0.67
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	8	0.67
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	8	0.67
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	8	0.67
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	5	0.67
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	17	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	12	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	12	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	12	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	12	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	12	0.67
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	12	0.67
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE2	14	0.66
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE3	14	0.66
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	3	0.66
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	3	0.66
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	3	0.66
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	10	0.66
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	10	0.66
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	10	0.66
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	13	0.66
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	13	0.66
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	13	0.66
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	4	0.66
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	4	0.66
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	4	0.66
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	4	0.66
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	4	0.66
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	4	0.66
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	8	0.66
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	8	0.66
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	8	0.66
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	14	0.66
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	14	0.66
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	14	0.66
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	5	0.66
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	5	0.66
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	5	0.66
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	8	0.66
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	16	0.66
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	16	0.66
(1,940)	1:1237:A:GLN:HA	1:1240:A:LEU:HB3	1	0.66
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	10	0.66
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	15	0.66
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	19	0.66
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	19	0.66
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	11	0.66
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	11	0.66
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	16	0.66
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	2	0.66
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	2	0.66
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	2	0.66
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	13	0.65
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	20	0.65
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	20	0.65
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	19	0.65
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	19	0.65
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	19	0.65
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	19	0.65
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	19	0.65
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	19	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	6	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	18	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	18	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	18	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	18	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	18	0.65
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	18	0.65
(1,1159)	1:1165:A:PHE:HD1	1:1205:A:LYS:HE3	17	0.65
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	11	0.65
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	11	0.65
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	15	0.65
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	15	0.65
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	15	0.65
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	5	0.65
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	2	0.65
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	7	0.65
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	18	0.65
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	18	0.65
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	18	0.65
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	4	0.65
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	15	0.65
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	6	0.64
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	6	0.64
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	6	0.64
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	6	0.64
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	6	0.64
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	6	0.64
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	6	0.64
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	7	0.64
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	7	0.64
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	7	0.64
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	7	0.64
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	7	0.64
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	7	0.64
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE2	8	0.64
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE3	8	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	9	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	9	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	9	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	9	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	9	0.64
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	9	0.64
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE21	19	0.64
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE22	19	0.64
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE21	19	0.64
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE22	19	0.64
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE21	19	0.64
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE22	19	0.64
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	11	0.64
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	11	0.64
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	11	0.64
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	11	0.64
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	11	0.64
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	13	0.64
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	13	0.64
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	13	0.64
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	13	0.64
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	13	0.64
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	13	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	19	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	19	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	19	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	19	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	19	0.64
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	19	0.64
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	7	0.64
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	7	0.64
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	7	0.64
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	3	0.64
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	3	0.64
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	12	0.64
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	12	0.64
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	12	0.64
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	9	0.64
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	5	0.64
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	9	0.63
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	9	0.63
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	9	0.63
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	9	0.63
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	9	0.63
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD11	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD12	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD13	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD21	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD22	9	0.63
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD23	9	0.63
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD11	9	0.63
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD12	9	0.63
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD13	9	0.63
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD21	9	0.63
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD22	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD23	9	0.63
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	12	0.63
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	12	0.63
(1,1405)	1:1184:A:GLU:HG2	1:1188:A:LEU:HG	12	0.63
(1,1405)	1:1184:A:GLU:HG3	1:1188:A:LEU:HG	12	0.63
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	11	0.63
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	14	0.63
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	14	0.63
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	14	0.63
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	14	0.63
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	14	0.63
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	14	0.63
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	20	0.63
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	20	0.63
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	20	0.63
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	1	0.63
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	1	0.63
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	1	0.63
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	5	0.63
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	5	0.63
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	5	0.63
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	5	0.63
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	5	0.63
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	5	0.63
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	5	0.63
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	5	0.63
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	5	0.63
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	18	0.63
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	16	0.63
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	17	0.63
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	17	0.63
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	20	0.63
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	20	0.63
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	3	0.63
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	2	0.62
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	2	0.62
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	2	0.62
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	2	0.62
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	2	0.62
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	2	0.62
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	2	0.62
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	2	0.62
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	2	0.62
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	2	0.62
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	2	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	1	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	14	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	17	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	17	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	17	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	17	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	17	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	17	0.62
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	7	0.62
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	7	0.62
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	17	0.62
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	17	0.62
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	17	0.62
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	17	0.62
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	17	0.62
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	20	0.62
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	20	0.62
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	20	0.62
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	20	0.62
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	20	0.62
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	20	0.62
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	9	0.62
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	9	0.62
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	9	0.62
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	9	0.62
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	9	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	4	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	4	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	4	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	11	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	11	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	11	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	12	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	12	0.62
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	12	0.62
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	20	0.62
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	20	0.62
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	20	0.62
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	16	0.62
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	16	0.62
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	10	0.62
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	19	0.62
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	4	0.62
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	4	0.62
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	12	0.62
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	3	0.61
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	3	0.61
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	3	0.61
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	3	0.61
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	3	0.61
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	3	0.61
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	19	0.61
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	19	0.61
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	19	0.61
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	19	0.61
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	19	0.61
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	19	0.61
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	19	0.61
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	15	0.61
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	15	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	18	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	18	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	18	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	20	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	20	0.61
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	20	0.61
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	16	0.61
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	16	0.61
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	16	0.61
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	16	0.61
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	6	0.61
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	6	0.61
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	17	0.61
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	20	0.61
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	9	0.61
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	9	0.61
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	13	0.6
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	13	0.6
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	13	0.6
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	13	0.6
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	13	0.6
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	13	0.6
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	13	0.6
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE2	12	0.6
(1,1551)	1:1214:A:LYS:H	1:1214:A:LYS:HE3	12	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	4	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	4	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	4	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	4	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	4	0.6
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	4	0.6
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	5	0.6
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	5	0.6
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	4	0.6
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	4	0.6
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	4	0.6
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	4	0.6
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	4	0.6
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	4	0.6
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	4	0.6
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	4	0.6
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	4	0.6
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	4	0.6
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	4	0.6
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	4	0.6
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	2	0.6
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	2	0.6
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	2	0.6
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	2	0.6
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	2	0.6
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	2	0.6
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	2	0.6
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	2	0.6
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	1	0.6
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	1	0.6
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	1	0.6
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	1	0.6
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	1	0.6
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	1	0.6
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	7	0.6
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	7	0.6
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	7	0.6
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	7	0.6
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	7	0.6
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	9	0.6
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	9	0.6
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	18	0.6
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	18	0.6
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	17	0.6
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	17	0.6
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	17	0.6
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	17	0.6
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	17	0.6
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	17	0.6
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	17	0.6
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	17	0.6
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	17	0.6
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	3	0.6
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	3	0.6
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	3	0.6
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	6	0.6
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	14	0.6
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	19	0.6
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	3	0.59
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	3	0.59
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	3	0.59
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	3	0.59
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	3	0.59
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	3	0.59
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	3	0.59
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	14	0.59
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	14	0.59
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	14	0.59
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	14	0.59
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	14	0.59
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	14	0.59
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	1	0.59
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	1	0.59
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	1	0.59
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	1	0.59
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	1	0.59
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	18	0.59
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	18	0.59
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	18	0.59
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	18	0.59
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	18	0.59
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	18	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG11	7	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG12	7	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG13	7	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG21	7	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG22	7	0.59
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG23	7	0.59
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	11	0.59
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	11	0.59
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	8	0.59
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	8	0.59
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	8	0.59
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	2	0.59
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	2	0.59
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	2	0.59
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	13	0.59
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	13	0.59
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	13	0.59
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	9	0.59
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	9	0.59
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	9	0.59
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	17	0.59
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	17	0.59
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG21	7	0.59
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG22	7	0.59
(1,748)	1:1177:A:THR:HA	1:1178:A:THR:HG23	7	0.59
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	11	0.59
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	14	0.59
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	14	0.59
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	14	0.59
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	6	0.59
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	5	0.59
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	5	0.59
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	7	0.59
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	7	0.59
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	7	0.59
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	9	0.58
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	9	0.58
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	9	0.58
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	9	0.58
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	9	0.58
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	9	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	8	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	19	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	19	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	19	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	19	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	19	0.58
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	19	0.58
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	19	0.58
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	19	0.58
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	19	0.58
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	19	0.58
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	11	0.58
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	11	0.58
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	11	0.58
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	20	0.58
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	20	0.58
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	20	0.58
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	6	0.58
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	6	0.58
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	15	0.58
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	15	0.58
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	16	0.58
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	16	0.58
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	16	0.58
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	16	0.58
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	16	0.58
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	16	0.58
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	16	0.58
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	16	0.58
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	2	0.58
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	2	0.58
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	2	0.58
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	1	0.58
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	1	0.58
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	8	0.58
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	9	0.58
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	4	0.58
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	4	0.58
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	4	0.58
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	1	0.58
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	1	0.57
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	1	0.57
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	17	0.57
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	17	0.57
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	17	0.57
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	17	0.57
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	17	0.57
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	17	0.57
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	13	0.57
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	13	0.57
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	13	0.57
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	13	0.57
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	13	0.57
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	13	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	20	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	20	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	20	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	20	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	20	0.57
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	20	0.57
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	20	0.57
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	20	0.57
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	20	0.57
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	20	0.57
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	20	0.57
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	20	0.57
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	20	0.57
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	20	0.57
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	20	0.57
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	20	0.57
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	20	0.57
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	5	0.57
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	5	0.57
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	5	0.57
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	20	0.57
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	20	0.57
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	20	0.57
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	20	0.57
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	20	0.57
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	20	0.57
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	13	0.57
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	13	0.57
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	13	0.57
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	15	0.57
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	15	0.57
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	15	0.57
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	14	0.57
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	14	0.57
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	14	0.57
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	1	0.57
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	1	0.57
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	17	0.57
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	17	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	9	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	9	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	9	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	9	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	9	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	9	0.57
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	9	0.57
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	9	0.57
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	9	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	12	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	12	0.57
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	12	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	12	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	12	0.57
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	12	0.57
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	12	0.57
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	12	0.57
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	6	0.57
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	6	0.57
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	6	0.57
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	11	0.57
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	11	0.57
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	11	0.57
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	13	0.57
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	13	0.57
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	13	0.57
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	13	0.57
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	13	0.57
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	13	0.57
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	2	0.57
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	2	0.57
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	2	0.57
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	15	0.57
(1,626)	1:1165:A:PHE:HD1	1:1205:A:LYS:HA	9	0.57
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	19	0.57
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	2	0.57
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	2	0.57
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	2	0.57
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	10	0.57
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	13	0.57
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	5	0.57
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	5	0.57
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	5	0.57
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	4	0.57
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	18	0.57
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	18	0.57
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	18	0.57
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	12	0.56
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	2	0.56
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	2	0.56
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	2	0.56
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	2	0.56
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	2	0.56
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	2	0.56
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	12	0.56
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	12	0.56
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	17	0.56
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	17	0.56
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	17	0.56
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	17	0.56
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	17	0.56
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	17	0.56
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	18	0.56
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	18	0.56
(1,1484)	1:1201:A:LYS:HB2	1:1244:A:TYR:HE1	4	0.56
(1,1484)	1:1201:A:LYS:HB3	1:1244:A:TYR:HE1	4	0.56
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	2	0.56
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	2	0.56
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	2	0.56
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	2	0.56
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	2	0.56
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	2	0.56
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	2	0.56
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	3	0.56
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	3	0.56
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	3	0.56
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	3	0.56
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	20	0.56
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	20	0.56
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	20	0.56
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	20	0.56
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	15	0.56
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	15	0.56
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG2	10	0.56
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG3	10	0.56
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	7	0.56
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	7	0.56
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	5	0.56
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	5	0.56
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	5	0.56
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	5	0.56
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	5	0.56
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	5	0.56
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	15	0.56
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	15	0.56
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	15	0.56
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	11	0.56
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	11	0.56
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	11	0.56
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	16	0.56
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	16	0.56
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	16	0.56
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	10	0.56
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	10	0.56
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	10	0.56
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	10	0.56
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	10	0.56
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	10	0.56
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	10	0.56
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	10	0.56
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	10	0.56
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	14	0.56
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	14	0.56
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	10	0.56
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	7	0.56
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	7	0.56
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	7	0.56
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	10	0.56
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB2	15	0.56
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB3	15	0.56
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	3	0.56
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	3	0.56
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	4	0.56
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	18	0.56
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	16	0.56
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	19	0.56
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	15	0.56
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	15	0.56
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	13	0.55
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	13	0.55
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	13	0.55
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	13	0.55
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	13	0.55
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	13	0.55
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	13	0.55
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	15	0.55
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	15	0.55
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	15	0.55
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	15	0.55
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	15	0.55
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	15	0.55
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	1	0.55
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	1	0.55
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	3	0.55
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	3	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	8	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	8	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	8	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	8	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	8	0.55
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	8	0.55
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	9	0.55
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	9	0.55
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	9	0.55
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	9	0.55
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	9	0.55
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	9	0.55
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	3	0.55
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	3	0.55
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	3	0.55
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	10	0.55
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	10	0.55
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	10	0.55
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	17	0.55
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	17	0.55
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	20	0.55
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	20	0.55
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	20	0.55
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	20	0.55
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	20	0.55
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	20	0.55
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	20	0.55
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	20	0.55
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	20	0.55
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	19	0.55
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	19	0.55
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	19	0.55
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	19	0.55
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	19	0.55
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	19	0.55
(1,735)	1:1214:A:LYS:HG2	1:1215:A:ARG:HA	4	0.55
(1,735)	1:1214:A:LYS:HG3	1:1215:A:ARG:HA	4	0.55
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE2	8	0.55
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE3	8	0.55
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	16	0.55
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	16	0.55
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	16	0.55
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	7	0.55
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	5	0.55
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	10	0.55
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	14	0.54
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	14	0.54
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	14	0.54
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	12	0.54
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	12	0.54
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	12	0.54
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	12	0.54
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	12	0.54
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	12	0.54
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	11	0.54
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	20	0.54
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	20	0.54
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	20	0.54
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	20	0.54
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	20	0.54
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	20	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	10	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	10	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	10	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	10	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	10	0.54
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	10	0.54
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	3	0.54
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	3	0.54
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	3	0.54
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	3	0.54
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	3	0.54
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	3	0.54
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	3	0.54
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	3	0.54
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	3	0.54
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	3	0.54
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	3	0.54
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	3	0.54
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	3	0.54
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	17	0.54
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	17	0.54
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	17	0.54
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	17	0.54
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	17	0.54
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	17	0.54
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	7	0.54
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	7	0.54
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	7	0.54
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	4	0.54
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	4	0.54
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	4	0.54
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	10	0.54
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	10	0.54
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	10	0.54
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	10	0.54
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	10	0.54
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	10	0.54
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	14	0.54
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	14	0.54
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	14	0.54
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	14	0.54
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	14	0.54
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	14	0.54
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	4	0.54
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	4	0.54
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	4	0.54
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	15	0.54
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	15	0.54
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	15	0.54
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	11	0.54
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	11	0.54
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	11	0.54
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	12	0.54
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	12	0.54
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	12	0.54
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	7	0.54
(1,537)	1:1250:A:VAL:HA	1:1251:A:THR:H	20	0.54
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	11	0.54
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	14	0.54
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	11	0.54
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE21	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE22	19	0.53
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE21	19	0.53
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE22	19	0.53
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE21	19	0.53
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE22	19	0.53
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE21	19	0.53
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE22	19	0.53
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE21	19	0.53
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE22	19	0.53
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE21	19	0.53
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE22	19	0.53
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	10	0.53
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	10	0.53
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	5	0.53
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	5	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	20	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	20	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	20	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	20	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	20	0.53
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	20	0.53
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	20	0.53
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	20	0.53
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	20	0.53
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	20	0.53
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	20	0.53
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	20	0.53
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	20	0.53
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	20	0.53
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	20	0.53
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	12	0.53
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	12	0.53
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	12	0.53
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	12	0.53
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	14	0.53
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	14	0.53
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	16	0.53
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	16	0.53
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG2	9	0.53
(1,1318)	1:1163:A:VAL:HB	1:1164:A:GLU:HG3	9	0.53
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	1	0.53
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	1	0.53
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	1	0.53
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	2	0.53
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	2	0.53
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	2	0.53
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	14	0.53
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	14	0.53
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	14	0.53
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	13	0.53
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	13	0.53
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	13	0.53
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	13	0.53
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	13	0.53
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	13	0.53
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	10	0.53
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	10	0.53
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	10	0.53
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	10	0.53
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	10	0.53
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	10	0.53
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	8	0.53
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	8	0.53
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	14	0.53
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	14	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	5	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	5	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	5	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	5	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	5	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	5	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	5	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	5	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	5	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	19	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	19	0.53
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	19	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	19	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	19	0.53
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	19	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	19	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	19	0.53
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	19	0.53
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	5	0.53
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	5	0.53
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	5	0.53
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	16	0.53
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	19	0.53
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	20	0.53
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	20	0.53
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	20	0.53
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG21	4	0.53
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG22	4	0.53
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG23	4	0.53
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	6	0.53
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	6	0.53
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	7	0.53
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	20	0.53
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	7	0.53
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	9	0.53
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG11	3	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG12	3	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG13	3	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG21	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG22	3	0.52
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG23	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG11	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG12	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG13	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG21	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG22	3	0.52
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG23	3	0.52
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	5	0.52
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	5	0.52
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	5	0.52
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	5	0.52
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	5	0.52
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	5	0.52
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	5	0.52
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	3	0.52
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	3	0.52
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	3	0.52
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	3	0.52
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	3	0.52
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	3	0.52
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	3	0.52
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	3	0.52
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	3	0.52
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	3	0.52
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	3	0.52
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	3	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	1	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	1	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	1	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	1	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	1	0.52
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	1	0.52
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	11	0.52
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	11	0.52
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	11	0.52
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	9	0.52
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	9	0.52
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	20	0.52
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	20	0.52
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	8	0.52
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	8	0.52
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	8	0.52
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	8	0.52
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	8	0.52
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	8	0.52
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	8	0.52
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	8	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	12	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	12	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	12	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	12	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	12	0.52
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	12	0.52
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	2	0.52
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	2	0.52
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	2	0.52
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	2	0.52
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	17	0.52
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	17	0.52
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	16	0.52
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	16	0.52
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	16	0.52
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	16	0.52
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	16	0.52
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	16	0.52
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	16	0.52
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	16	0.52
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	8	0.52
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	8	0.52
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	8	0.52
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	8	0.52
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	8	0.52
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	8	0.52
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	7	0.52
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	7	0.52
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	7	0.52
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	5	0.52
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	5	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	7	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	7	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	7	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	7	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	7	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	7	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	7	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	7	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	7	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	17	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	17	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	17	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	17	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	17	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	17	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	17	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	17	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	17	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	18	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	18	0.52
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	18	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	18	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	18	0.52
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	18	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	18	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	18	0.52
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	18	0.52
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	2	0.52
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	2	0.52
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	7	0.52
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	12	0.52
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	12	0.52
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	17	0.52
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	17	0.52
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	17	0.52
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	20	0.52
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	2	0.52
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	3	0.52
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	10	0.52
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	10	0.52
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	18	0.52
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	3	0.52
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	3	0.52
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	6	0.52
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	15	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	2	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	5	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	8	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	11	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	15	0.52
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	17	0.52
(1,362)	1:1238:A:VAL:H	1:1241:A:GLN:HG3	12	0.52
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	18	0.52
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	13	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	4	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	4	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	4	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	19	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	19	0.52
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	19	0.52
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	4	0.52
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	19	0.52
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	19	0.52
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	7	0.52
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	18	0.52
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	13	0.52
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	12	0.51
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	12	0.51
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	12	0.51
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	11	0.51
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	11	0.51
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	11	0.51
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	11	0.51
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	11	0.51
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	11	0.51
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	9	0.51
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	9	0.51
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	17	0.51
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	17	0.51
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	17	0.51
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	17	0.51
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	17	0.51
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	17	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	20	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	20	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	20	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	20	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	20	0.51
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	20	0.51
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	18	0.51
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	18	0.51
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	18	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	10	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	10	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	10	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	16	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	16	0.51
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	16	0.51
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	2	0.51
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	2	0.51
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	2	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	2	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	2	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	2	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	2	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	2	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	10	0.51
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	10	0.51
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	10	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	10	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	10	0.51
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	10	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	10	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	10	0.51
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	10	0.51
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	2	0.51
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	2	0.51
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	2	0.51
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	5	0.51
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	5	0.51
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	5	0.51
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	11	0.51
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	12	0.51
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	12	0.51
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	12	0.51
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	18	0.51
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	18	0.51
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	18	0.51
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	18	0.51
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	18	0.51
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	18	0.51
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	18	0.51
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	18	0.51
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	18	0.51
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	1	0.51
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	1	0.51
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	1	0.51
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	14	0.51
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	14	0.51
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	14	0.51
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	10	0.51
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	18	0.51
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	18	0.51
(1,689)	1:1183:A:MET:HA	1:1185:A:GLU:H	17	0.51
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	9	0.51
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	13	0.51
(1,616)	1:1169:A:LYS:HA	1:1212:A:TYR:HD1	16	0.51
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	18	0.51
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	2	0.51
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	2	0.51
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	2	0.51
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	20	0.51
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	19	0.51
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	19	0.51
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	19	0.51
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	4	0.51
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	13	0.5
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	13	0.5
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	13	0.5
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	13	0.5
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	13	0.5
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	13	0.5
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	6	0.5
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	6	0.5
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	5	0.5
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	5	0.5
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	5	0.5
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	5	0.5
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	5	0.5
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	5	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	11	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	11	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	13	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	13	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	17	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	17	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	18	0.5
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	18	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD11	8	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD12	8	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD13	8	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD21	8	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD22	8	0.5
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD23	8	0.5
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD11	8	0.5
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD12	8	0.5
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD13	8	0.5
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD21	8	0.5
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD22	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD23	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD11	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD12	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD13	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD21	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD22	8	0.5
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD23	8	0.5
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	1	0.5
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	1	0.5
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	9	0.5
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	9	0.5
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	9	0.5
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	9	0.5
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	9	0.5
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	9	0.5
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	9	0.5
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	12	0.5
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	12	0.5
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	12	0.5
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	12	0.5
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	12	0.5
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	12	0.5
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	18	0.5
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	18	0.5
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	18	0.5
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	10	0.5
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	10	0.5
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	6	0.5
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	6	0.5
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	6	0.5
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	6	0.5
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	6	0.5
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	6	0.5
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	6	0.5
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	6	0.5
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	6	0.5
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG2	18	0.5
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG3	18	0.5
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	11	0.5
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	11	0.5
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	11	0.5
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	5	0.5
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	5	0.5
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	5	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	6	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	6	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	6	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	9	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	9	0.5
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	9	0.5
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	17	0.5
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	9	0.5
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	9	0.5
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	9	0.5
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	3	0.5
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	3	0.5
(1,801)	1:1211:A:LYS:HG3	1:1212:A:TYR:HA	7	0.5
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	14	0.5
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	2	0.5
(1,740)	1:1241:A:GLN:HG2	1:1246:A:SER:HA	19	0.5
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	13	0.5
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	13	0.5
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	13	0.5
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	20	0.5
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	11	0.5
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	10	0.5
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	3	0.5
(1,395)	1:1244:A:TYR:HB2	1:1244:A:TYR:HE1	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	1	0.5
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	1	0.5
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	1	0.5
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	8	0.5
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	17	0.5
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	12	0.5
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	12	0.5
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	12	0.5
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	2	0.5
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	2	0.5
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	2	0.5
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	18	0.5
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	18	0.5
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	15	0.5
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	9	0.49
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	9	0.49
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	9	0.49
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	9	0.49
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	9	0.49
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	9	0.49
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	9	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	19	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	19	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	19	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	19	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	19	0.49
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	19	0.49
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	4	0.49
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	4	0.49
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	15	0.49
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	15	0.49
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	3	0.49
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	3	0.49
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	3	0.49
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	3	0.49
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	3	0.49
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	7	0.49
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	7	0.49
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	7	0.49
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	7	0.49
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	7	0.49
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	7	0.49
(1,1351)	1:1168:A:VAL:HG11	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG11	1:1169:A:LYS:HG3	13	0.49
(1,1351)	1:1168:A:VAL:HG12	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG12	1:1169:A:LYS:HG3	13	0.49
(1,1351)	1:1168:A:VAL:HG13	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG13	1:1169:A:LYS:HG3	13	0.49
(1,1351)	1:1168:A:VAL:HG21	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG21	1:1169:A:LYS:HG3	13	0.49
(1,1351)	1:1168:A:VAL:HG22	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG22	1:1169:A:LYS:HG3	13	0.49
(1,1351)	1:1168:A:VAL:HG23	1:1169:A:LYS:HG2	13	0.49
(1,1351)	1:1168:A:VAL:HG23	1:1169:A:LYS:HG3	13	0.49
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	10	0.49
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	10	0.49
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	10	0.49
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	10	0.49
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	13	0.49
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	13	0.49
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	4	0.49
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	4	0.49
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	4	0.49
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	6	0.49
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	6	0.49
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	6	0.49
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	5	0.49
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	5	0.49
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	5	0.49
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	5	0.49
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	5	0.49
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	5	0.49
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	18	0.49
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	14	0.49
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	14	0.49
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	14	0.49
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	14	0.49
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	14	0.49
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	14	0.49
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	14	0.49
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	14	0.49
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	3	0.49
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	3	0.49
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	3	0.49
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	3	0.49
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	3	0.49
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	3	0.49
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	18	0.49
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	18	0.49
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	18	0.49
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	18	0.49
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	18	0.49
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	18	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	2	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	2	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	2	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	3	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	3	0.49
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	3	0.49
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	1	0.49
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	1	0.49
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	1	0.49
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	1	0.49
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	1	0.49
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	1	0.49
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	1	0.49
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	1	0.49
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	1	0.49
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	8	0.49
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	8	0.49
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	8	0.49
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	8	0.49
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	8	0.49
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	8	0.49
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	9	0.49
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	9	0.49
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	9	0.49
(1,716)	1:1179:A:ILE:HG21	1:1182:A:PRO:HA	14	0.49
(1,716)	1:1179:A:ILE:HG22	1:1182:A:PRO:HA	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:1179:A:ILE:HG23	1:1182:A:PRO:HA	14	0.49
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	12	0.49
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	12	0.49
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	6	0.49
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	2	0.49
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	14	0.49
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	16	0.49
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	9	0.49
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	20	0.49
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG11	1:1241:A:GLN:HE22	12	0.48
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG12	1:1241:A:GLN:HE22	12	0.48
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG13	1:1241:A:GLN:HE22	12	0.48
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG21	1:1241:A:GLN:HE22	12	0.48
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG22	1:1241:A:GLN:HE22	12	0.48
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE21	12	0.48
(1,1682)	1:1238:A:VAL:HG23	1:1241:A:GLN:HE22	12	0.48
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB2	19	0.48
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB3	19	0.48
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB2	19	0.48
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB3	19	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	3	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	3	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	5	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	5	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	6	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	6	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	8	0.48
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	8	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	7	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	7	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	7	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	7	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	7	0.48
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	7	0.48
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	3	0.48
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	3	0.48
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	3	0.48
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	3	0.48
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	3	0.48
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	15	0.48
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	15	0.48
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	15	0.48
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	15	0.48
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	15	0.48
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	15	0.48
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	18	0.48
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	18	0.48
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	18	0.48
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	18	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	2	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	2	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	2	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	2	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	2	0.48
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	2	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	11	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	11	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	11	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	11	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	11	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	11	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	12	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	12	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	12	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	12	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	12	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	12	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	17	0.48
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	17	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	17	0.48
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	17	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	17	0.48
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	17	0.48
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	19	0.48
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	19	0.48
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	19	0.48
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	8	0.48
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	8	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	12	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	12	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	12	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	16	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	16	0.48
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	16	0.48
(1,1061)	1:1198:A:ILE:HD11	1:1240:A:LEU:HG	13	0.48
(1,1061)	1:1198:A:ILE:HD12	1:1240:A:LEU:HG	13	0.48
(1,1061)	1:1198:A:ILE:HD13	1:1240:A:LEU:HG	13	0.48
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	2	0.48
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	2	0.48
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	2	0.48
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	14	0.48
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	14	0.48
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	14	0.48
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	15	0.48
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	15	0.48
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	15	0.48
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	19	0.48
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	19	0.48
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	19	0.48
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	19	0.48
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	19	0.48
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	19	0.48
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	17	0.48
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	17	0.48
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	17	0.48
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	9	0.48
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	20	0.48
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	20	0.48
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	20	0.48
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	13	0.48
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	2	0.48
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	3	0.48
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	20	0.48
(1,481)	1:1208:A:LEU:HA	1:1211:A:LYS:HG2	7	0.48
(1,481)	1:1208:A:LEU:HA	1:1211:A:LYS:HG3	7	0.48
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	15	0.48
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	15	0.48
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	15	0.48
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	19	0.48
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	19	0.48
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	19	0.48
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	19	0.48
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	19	0.48
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	20	0.48
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	20	0.48
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	20	0.48
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	15	0.48
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	15	0.48
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	15	0.48
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	1	0.48
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	13	0.48
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	13	0.48
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	13	0.48
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	13	0.48
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB2	20	0.47
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB3	20	0.47
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB2	20	0.47
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB3	20	0.47
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	3	0.47
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	3	0.47
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	18	0.47
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	18	0.47
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	18	0.47
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	18	0.47
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	18	0.47
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	18	0.47
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	18	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	3	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	3	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	3	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	3	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	3	0.47
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	3	0.47
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	12	0.47
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD11	12	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD12	12	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD13	12	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD21	12	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD22	12	0.47
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD23	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD11	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD12	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD13	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD21	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD22	12	0.47
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD23	12	0.47
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	15	0.47
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	15	0.47
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	15	0.47
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	15	0.47
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE2	19	0.47
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE3	19	0.47
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	6	0.47
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	6	0.47
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	6	0.47
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	4	0.47
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	4	0.47
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	4	0.47
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	4	0.47
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	4	0.47
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	4	0.47
(1,1121)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	9	0.47
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	13	0.47
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	13	0.47
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	11	0.47
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	11	0.47
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	11	0.47
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	11	0.47
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	11	0.47
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	11	0.47
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	11	0.47
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	11	0.47
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	11	0.47
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	5	0.47
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	5	0.47
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	11	0.47
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	11	0.47
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	13	0.47
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	8	0.47
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	12	0.47
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	15	0.47
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	15	0.47
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	2	0.47
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	2	0.47
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	2	0.47
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	2	0.47
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	2	0.47
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	4	0.47
(1,507)	1:1251:A:THR:HA	1:1251:A:THR:HB	18	0.47
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	10	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	15	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	15	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	15	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	15	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	15	0.47
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	15	0.47
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	14	0.47
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	10	0.47
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	20	0.47
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	20	0.47
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	20	0.47
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	4	0.46
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	4	0.46
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	4	0.46
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	4	0.46
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	4	0.46
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	4	0.46
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	4	0.46
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	2	0.46
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	2	0.46
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	2	0.46
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	2	0.46
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	2	0.46
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	2	0.46
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	8	0.46
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	8	0.46
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	8	0.46
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	8	0.46
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	8	0.46
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	8	0.46
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	10	0.46
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	10	0.46
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	14	0.46
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	14	0.46
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	15	0.46
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	15	0.46
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	15	0.46
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	15	0.46
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	15	0.46
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	15	0.46
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	15	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	5	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	5	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	5	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	5	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	5	0.46
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	5	0.46
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG2	10	0.46
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	10	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	7	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	7	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	7	0.46
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	7	0.46
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	7	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	7	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	7	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	7	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	11	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	11	0.46
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	11	0.46
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	11	0.46
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	11	0.46
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	11	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	11	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	11	0.46
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	11	0.46
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	16	0.46
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	16	0.46
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	16	0.46
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	16	0.46
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	16	0.46
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	16	0.46
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	7	0.46
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	7	0.46
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	7	0.46
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	7	0.46
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	7	0.46
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	7	0.46
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	12	0.46
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	12	0.46
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	7	0.46
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	5	0.46
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	5	0.46
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	5	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	5	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	5	0.46
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	5	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	5	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	5	0.46
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	5	0.46
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD11	16	0.46
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD12	16	0.46
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD13	16	0.46
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	11	0.46
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	11	0.46
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	17	0.46
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	17	0.46
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	7	0.46
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	7	0.46
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	7	0.46
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	3	0.46
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	3	0.46
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	4	0.46
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	1	0.46
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	3	0.46
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	3	0.46
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	3	0.46
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	3	0.46
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	3	0.46
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	16	0.46
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	7	0.46
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	9	0.46
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	9	0.46
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	9	0.46
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	3	0.46
(1,305)	1:1164:A:GLU:HB2	1:1166:A:ASN:H	10	0.46
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	4	0.46
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	8	0.45
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	8	0.45
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	8	0.45
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	8	0.45
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	8	0.45
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	8	0.45
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	8	0.45
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	2	0.45
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	2	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	8	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	8	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	8	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	8	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	8	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	12	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	12	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	12	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	12	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	12	0.45
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	12	0.45
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	12	0.45
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	12	0.45
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	4	0.45
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	4	0.45
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	6	0.45
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	19	0.45
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	19	0.45
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	19	0.45
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	19	0.45
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	19	0.45
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	19	0.45
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	19	0.45
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	19	0.45
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	19	0.45
(1,1121)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	10	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	1	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	1	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	1	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	10	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	10	0.45
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	10	0.45
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	14	0.45
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	14	0.45
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	14	0.45
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	10	0.45
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	10	0.45
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	10	0.45
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	10	0.45
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	10	0.45
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	10	0.45
(1,922)	1:1203:A:LEU:HD21	1:1206:A:LEU:HB2	5	0.45
(1,922)	1:1203:A:LEU:HD22	1:1206:A:LEU:HB2	5	0.45
(1,922)	1:1203:A:LEU:HD23	1:1206:A:LEU:HB2	5	0.45
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	20	0.45
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	20	0.45
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	1	0.45
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	1	0.45
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	1	0.45
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	4	0.45
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	4	0.45
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	4	0.45
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	7	0.45
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	7	0.45
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	7	0.45
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	8	0.45
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	8	0.45
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	8	0.45
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	11	0.45
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	11	0.45
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	11	0.45
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	5	0.45
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	7	0.45
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	4	0.45
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	10	0.45
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	10	0.45
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	10	0.45
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	8	0.45
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	16	0.45
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	2	0.45
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	15	0.45
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	15	0.45
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	15	0.45
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	20	0.45
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	2	0.45
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	9	0.45
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	18	0.45
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	19	0.45
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG11	1:1237:A:GLN:HE22	10	0.44
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG12	1:1237:A:GLN:HE22	10	0.44
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG13	1:1237:A:GLN:HE22	10	0.44
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG21	1:1237:A:GLN:HE22	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG22	1:1237:A:GLN:HE22	10	0.44
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE21	10	0.44
(1,1663)	1:1236:A:VAL:HG23	1:1237:A:GLN:HE22	10	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	4	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	4	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	4	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	4	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	4	0.44
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	4	0.44
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	11	0.44
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	11	0.44
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	16	0.44
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	16	0.44
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	19	0.44
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	19	0.44
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	3	0.44
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	3	0.44
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	3	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	3	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	3	0.44
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	3	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	3	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	3	0.44
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	3	0.44
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	12	0.44
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	12	0.44
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	12	0.44
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	3	0.44
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	3	0.44
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	3	0.44
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	18	0.44
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	18	0.44
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	18	0.44
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	3	0.44
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	3	0.44
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	3	0.44
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	3	0.44
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	3	0.44
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	3	0.44
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	3	0.44
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	3	0.44
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	4	0.44
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	10	0.44
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	9	0.44
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	9	0.44
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	9	0.44
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	9	0.44
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	9	0.44
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	9	0.44
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	9	0.44
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	9	0.44
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	9	0.44
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	18	0.44
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	18	0.44
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	18	0.44
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	3	0.44
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	3	0.44
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	3	0.44
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	11	0.44
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	11	0.44
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	20	0.44
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	20	0.44
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	20	0.44
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	12	0.44
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	2	0.44
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	2	0.44
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	2	0.44
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	16	0.44
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	20	0.44
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	13	0.44
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	19	0.44
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	9	0.44
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	10	0.44
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	10	0.44
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	10	0.44
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	1	0.44
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	10	0.43
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	10	0.43
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	10	0.43
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	10	0.43
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	10	0.43
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	4	0.43
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	4	0.43
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG2	7	0.43
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG3	7	0.43
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG2	7	0.43
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG3	7	0.43
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	9	0.43
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	9	0.43
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG2	8	0.43
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG3	8	0.43
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	20	0.43
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	20	0.43
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	20	0.43
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	20	0.43
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	20	0.43
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	20	0.43
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD11	13	0.43
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD12	13	0.43
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD13	13	0.43
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD11	13	0.43
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD12	13	0.43
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD13	13	0.43
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	5	0.43
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	5	0.43
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	5	0.43
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	19	0.43
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	19	0.43
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	19	0.43
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	19	0.43
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	19	0.43
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	19	0.43
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	1	0.43
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	1	0.43
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	1	0.43
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	12	0.43
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	12	0.43
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	12	0.43
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	3	0.43
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	3	0.43
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	7	0.43
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	7	0.43
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD11	19	0.43
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD12	19	0.43
(1,1064)	1:1194:A:CYS:HA	1:1198:A:ILE:HD13	19	0.43
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	3	0.43
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	3	0.43
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	3	0.43
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	13	0.43
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	13	0.43
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	13	0.43
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	13	0.43
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	13	0.43
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	13	0.43
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	13	0.43
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	13	0.43
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	13	0.43
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	6	0.43
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	8	0.43
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	6	0.43
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	6	0.43
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	6	0.43
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	4	0.43
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	4	0.43
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	4	0.43
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	1	0.43
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	1	0.43
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	1	0.43
(1,639)	1:1200:A:GLU:HA	1:1202:A:ASP:H	12	0.43
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	8	0.43
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD11	19	0.43
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD12	19	0.43
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD13	19	0.43
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	12	0.43
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	12	0.43
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	12	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	17	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	17	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	17	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	17	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	17	0.43
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	17	0.43
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	18	0.43
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	18	0.43
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	1	0.43
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	16	0.43
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	16	0.43
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	16	0.43
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	20	0.42
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	20	0.42
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	19	0.42
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	19	0.42
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	19	0.42
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	19	0.42
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	19	0.42
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	19	0.42
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	19	0.42
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	3	0.42
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	3	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	9	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	9	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	9	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	9	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	9	0.42
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	9	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	1	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	15	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	18	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	18	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	18	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	18	0.42
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	18	0.42
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	15	0.42
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	15	0.42
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	7	0.42
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	7	0.42
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	7	0.42
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	7	0.42
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	7	0.42
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	7	0.42
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	5	0.42
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	5	0.42
(1,1461)	1:1197:A:LEU:HD11	1:1203:A:LEU:HA	4	0.42
(1,1461)	1:1197:A:LEU:HD12	1:1203:A:LEU:HA	4	0.42
(1,1461)	1:1197:A:LEU:HD13	1:1203:A:LEU:HA	4	0.42
(1,1461)	1:1197:A:LEU:HD21	1:1203:A:LEU:HA	4	0.42
(1,1461)	1:1197:A:LEU:HD22	1:1203:A:LEU:HA	4	0.42
(1,1461)	1:1197:A:LEU:HD23	1:1203:A:LEU:HA	4	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	10	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	18	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	19	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	19	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	19	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	19	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	19	0.42
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	19	0.42
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	18	0.42
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	18	0.42
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	18	0.42
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	18	0.42
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	18	0.42
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	18	0.42
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	18	0.42
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	18	0.42
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	18	0.42
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	18	0.42
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	18	0.42
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	1	0.42
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	1	0.42
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	1	0.42
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	1	0.42
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	7	0.42
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	13	0.42
(1,1213)	1:1162:A:ALA:HB1	1:1163:A:VAL:HB	6	0.42
(1,1213)	1:1162:A:ALA:HB2	1:1163:A:VAL:HB	6	0.42
(1,1213)	1:1162:A:ALA:HB3	1:1163:A:VAL:HB	6	0.42
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	9	0.42
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	9	0.42
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	9	0.42
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	9	0.42
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	9	0.42
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	9	0.42
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	14	0.42
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	14	0.42
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	14	0.42
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	14	0.42
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	14	0.42
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	14	0.42
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	2	0.42
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	2	0.42
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	2	0.42
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	2	0.42
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	2	0.42
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	2	0.42
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	2	0.42
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	2	0.42
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	2	0.42
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	18	0.42
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	18	0.42
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	18	0.42
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	17	0.42
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	17	0.42
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	16	0.42
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	2	0.42
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	2	0.42
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	2	0.42
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	17	0.42
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	17	0.42
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	17	0.42
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	13	0.42
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	20	0.42
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	20	0.42
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	20	0.42
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	12	0.42
(1,690)	1:1213:A:MET:HA	1:1217:A:MET:HB2	1	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	9	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	9	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	9	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	11	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	11	0.42
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	11	0.42
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	9	0.42
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	5	0.42
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	2	0.42
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	18	0.42
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	18	0.42
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	11	0.42
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	8	0.41
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	8	0.41
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	8	0.41
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	8	0.41
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	8	0.41
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	8	0.41
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	8	0.41
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	8	0.41
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	12	0.41
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	12	0.41
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	8	0.41
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	8	0.41
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	8	0.41
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	8	0.41
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	8	0.41
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	11	0.41
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	16	0.41
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	16	0.41
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	16	0.41
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	16	0.41
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	16	0.41
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	16	0.41
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG2	5	0.41
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG3	5	0.41
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG2	5	0.41
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG3	5	0.41
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	5	0.41
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	5	0.41
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	5	0.41
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	5	0.41
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	13	0.41
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	13	0.41
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	13	0.41
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	13	0.41
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	18	0.41
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	18	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	6	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	6	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	6	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	6	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	6	0.41
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	6	0.41
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	17	0.41
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	17	0.41
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	12	0.41
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	16	0.41
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	16	0.41
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	16	0.41
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	16	0.41
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	16	0.41
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	19	0.41
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	19	0.41
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	19	0.41
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	10	0.41
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	12	0.41
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	8	0.41
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	8	0.41
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	8	0.41
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	17	0.41
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	17	0.41
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	17	0.41
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	17	0.41
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	17	0.41
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	17	0.41
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	17	0.41
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	17	0.41
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	17	0.41
(1,1213)	1:1162:A:ALA:HB1	1:1163:A:VAL:HB	16	0.41
(1,1213)	1:1162:A:ALA:HB2	1:1163:A:VAL:HB	16	0.41
(1,1213)	1:1162:A:ALA:HB3	1:1163:A:VAL:HB	16	0.41
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	1	0.41
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	1	0.41
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	1	0.41
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	1	0.41
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	1	0.41
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	1	0.41
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	19	0.41
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	19	0.41
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	19	0.41
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	19	0.41
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	19	0.41
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	19	0.41
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	3	0.41
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	3	0.41
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	3	0.41
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	12	0.41
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	12	0.41
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:1198:A:ILE:HD11	1:1240:A:LEU:HG	17	0.41
(1,1061)	1:1198:A:ILE:HD12	1:1240:A:LEU:HG	17	0.41
(1,1061)	1:1198:A:ILE:HD13	1:1240:A:LEU:HG	17	0.41
(1,936)	1:1203:A:LEU:HD11	1:1244:A:TYR:HD1	1	0.41
(1,936)	1:1203:A:LEU:HD12	1:1244:A:TYR:HD1	1	0.41
(1,936)	1:1203:A:LEU:HD13	1:1244:A:TYR:HD1	1	0.41
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	15	0.41
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	15	0.41
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	15	0.41
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	15	0.41
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	15	0.41
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	15	0.41
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD11	2	0.41
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD12	2	0.41
(1,906)	1:1212:A:TYR:HD1	1:1216:A:LEU:HD13	2	0.41
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	9	0.41
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	9	0.41
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	9	0.41
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	19	0.41
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	20	0.41
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	20	0.41
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	20	0.41
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	1	0.41
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	10	0.41
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	10	0.41
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	10	0.41
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	8	0.41
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	7	0.41
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	17	0.41
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	10	0.4
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	10	0.4
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	15	0.4
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	15	0.4
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	15	0.4
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	15	0.4
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	15	0.4
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	15	0.4
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	15	0.4
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	15	0.4
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	15	0.4
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	15	0.4
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	15	0.4
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	5	0.4
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	5	0.4
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	5	0.4
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	5	0.4
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	5	0.4
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	5	0.4
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	1	0.4
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	1	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	7	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	7	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	7	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	7	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	7	0.4
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	7	0.4
(1,1517)	1:1206:A:LEU:HD11	1:1240:A:LEU:HB2	19	0.4
(1,1517)	1:1206:A:LEU:HD12	1:1240:A:LEU:HB2	19	0.4
(1,1517)	1:1206:A:LEU:HD13	1:1240:A:LEU:HB2	19	0.4
(1,1517)	1:1206:A:LEU:HD21	1:1240:A:LEU:HB2	19	0.4
(1,1517)	1:1206:A:LEU:HD22	1:1240:A:LEU:HB2	19	0.4
(1,1517)	1:1206:A:LEU:HD23	1:1240:A:LEU:HB2	19	0.4
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD2	3	0.4
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD3	3	0.4
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD2	20	0.4
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD3	20	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	1	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	7	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	7	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	7	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	7	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	7	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	11	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	11	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	11	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	11	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	11	0.4
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	11	0.4
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	8	0.4
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	8	0.4
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	8	0.4
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	8	0.4
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	8	0.4
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	8	0.4
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB2	13	0.4
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB3	13	0.4
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB2	13	0.4
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB3	13	0.4
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB2	13	0.4
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB3	13	0.4
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	9	0.4
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	9	0.4
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	9	0.4
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	1	0.4
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	16	0.4
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	16	0.4
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	16	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	4	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	4	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	4	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	6	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	6	0.4
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	6	0.4
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	13	0.4
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	13	0.4
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	13	0.4
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	1	0.4
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	1	0.4
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	19	0.4
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	19	0.4
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	10	0.4
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	10	0.4
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	10	0.4
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	7	0.4
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	7	0.4
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	7	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	4	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	4	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	4	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	4	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	4	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	4	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	4	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	4	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	4	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	6	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	6	0.4
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	6	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	6	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	6	0.4
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	6	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	6	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	6	0.4
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	6	0.4
(1,930)	1:1203:A:LEU:HD11	1:1206:A:LEU:HB3	4	0.4
(1,930)	1:1203:A:LEU:HD12	1:1206:A:LEU:HB3	4	0.4
(1,930)	1:1203:A:LEU:HD13	1:1206:A:LEU:HB3	4	0.4
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	18	0.4
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	18	0.4
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	12	0.4
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	12	0.4
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	12	0.4
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	17	0.4
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	1	0.4
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	13	0.4
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	18	0.4
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	19	0.4
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	15	0.4
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	15	0.4
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	10	0.4
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	18	0.4
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	13	0.4
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	14	0.4
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	18	0.4
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	17	0.4
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	3	0.4
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	8	0.4
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	13	0.39
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	13	0.39
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	13	0.39
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	13	0.39
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	13	0.39
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	13	0.39
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	13	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	10	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	10	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	10	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	10	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	10	0.39
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	10	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	16	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	16	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	16	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	16	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	16	0.39
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	16	0.39
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	3	0.39
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	3	0.39
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	3	0.39
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	3	0.39
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	3	0.39
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	3	0.39
(1,1484)	1:1201:A:LYS:HB2	1:1244:A:TYR:HE1	16	0.39
(1,1484)	1:1201:A:LYS:HB3	1:1244:A:TYR:HE1	16	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	9	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	9	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	9	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	9	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	9	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	20	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	20	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	20	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	20	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	20	0.39
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	20	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD11	8	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD12	8	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD13	8	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD21	8	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD22	8	0.39
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD23	8	0.39
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	3	0.39
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	3	0.39
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	3	0.39
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	3	0.39
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	3	0.39
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	3	0.39
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	3	0.39
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	14	0.39
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	14	0.39
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	14	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	2	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	2	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	2	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	18	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	18	0.39
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	18	0.39
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	16	0.39
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	16	0.39
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	18	0.39
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	18	0.39
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	14	0.39
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	14	0.39
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	14	0.39
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	11	0.39
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	11	0.39
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	11	0.39
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	15	0.39
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	15	0.39
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	15	0.39
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	7	0.39
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	7	0.39
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	7	0.39
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	20	0.39
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	2	0.39
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	9	0.39
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	9	0.39
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	9	0.39
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	2	0.39
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	11	0.39
(1,465)	1:1204:A:GLU:HA	1:1204:A:GLU:HG3	5	0.39
(1,446)	1:1249:A:LYS:H	1:1249:A:LYS:HE2	11	0.39
(1,446)	1:1249:A:LYS:H	1:1249:A:LYS:HE3	11	0.39
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	10	0.39
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	17	0.39
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	3	0.39
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	2	0.39
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	2	0.39
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	2	0.39
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	14	0.39
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	14	0.39
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	14	0.39
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	4	0.39
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	4	0.39
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	4	0.39
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	9	0.39
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	20	0.39
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	1	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	1	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	1	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	10	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	10	0.38
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	19	0.38
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	19	0.38
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	19	0.38
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	19	0.38
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	19	0.38
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	19	0.38
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	16	0.38
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	16	0.38
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	16	0.38
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	16	0.38
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	16	0.38
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	16	0.38
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	13	0.38
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	13	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	6	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	15	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	15	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	15	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	15	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	15	0.38
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	15	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	13	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	13	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	13	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	13	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	13	0.38
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	13	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	16	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	16	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	16	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	16	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	16	0.38
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	16	0.38
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	8	0.38
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	8	0.38
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	8	0.38
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	8	0.38
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	8	0.38
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	12	0.38
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	12	0.38
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	12	0.38
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	12	0.38
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	12	0.38
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	12	0.38
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	12	0.38
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	12	0.38
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	12	0.38
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	17	0.38
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	17	0.38
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	17	0.38
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	1	0.38
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	1	0.38
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	1	0.38
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	19	0.38
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	19	0.38
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	19	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	9	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	9	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	9	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	13	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	13	0.38
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	13	0.38
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD11	20	0.38
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD12	20	0.38
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD13	20	0.38
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	18	0.38
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	18	0.38
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	18	0.38
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	20	0.38
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	20	0.38
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	20	0.38
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	20	0.38
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	20	0.38
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	20	0.38
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	6	0.38
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	6	0.38
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	6	0.38
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	19	0.38
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	19	0.38
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	16	0.38
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	16	0.38
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	16	0.38
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	5	0.38
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	16	0.38
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	16	0.38
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	16	0.38
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	4	0.38
(1,740)	1:1241:A:GLN:HG2	1:1246:A:SER:HA	12	0.38
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	18	0.38
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	18	0.38
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	18	0.38
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	8	0.38
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	2	0.38
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	1	0.38
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	10	0.38
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	2	0.38
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	13	0.38
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	19	0.38
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	5	0.38
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	4	0.38
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	15	0.38
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	18	0.38
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	18	0.38
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	18	0.38
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	2	0.38
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	15	0.37
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	15	0.37
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	18	0.37
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	18	0.37
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	18	0.37
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	18	0.37
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	18	0.37
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	18	0.37
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	19	0.37
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	19	0.37
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	20	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	20	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	20	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	20	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	20	0.37
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	20	0.37
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	20	0.37
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	4	0.37
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	4	0.37
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	4	0.37
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	4	0.37
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	4	0.37
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	4	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	11	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	11	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	11	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	11	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	11	0.37
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	11	0.37
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	19	0.37
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	19	0.37
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	18	0.37
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	18	0.37
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	18	0.37
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	18	0.37
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	18	0.37
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD2	18	0.37
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD3	18	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD11	14	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD12	14	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD13	14	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD21	14	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD22	14	0.37
(1,1522)	1:1207:A:ASP:HB2	1:1248:A:LEU:HD23	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD11	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD12	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD13	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD21	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD22	14	0.37
(1,1522)	1:1207:A:ASP:HB3	1:1248:A:LEU:HD23	14	0.37
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	3	0.37
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	3	0.37
(1,1498)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	7	0.37
(1,1498)	1:1204:A:GLU:HG3	1:1205:A:LYS:H	7	0.37
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	10	0.37
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	10	0.37
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	10	0.37
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	16	0.37
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	16	0.37
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	16	0.37
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	16	0.37
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	16	0.37
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	16	0.37
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD11	17	0.37
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD12	17	0.37
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD13	17	0.37
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	12	0.37
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	12	0.37
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	12	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	1	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	1	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	1	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	1	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	1	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	1	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	1	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	1	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	4	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	4	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	4	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	4	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	4	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	4	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	4	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	4	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	4	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	18	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	18	0.37
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	18	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	18	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	18	0.37
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	18	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	18	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	18	0.37
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	18	0.37
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	5	0.37
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	5	0.37
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	5	0.37
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD11	13	0.37
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD12	13	0.37
(1,1158)	1:1205:A:LYS:HE3	1:1208:A:LEU:HD13	13	0.37
(1,1125)	1:1211:A:LYS:H	1:1250:A:VAL:HB	4	0.37
(1,1084)	1:1204:A:GLU:HG3	1:1205:A:LYS:H	7	0.37
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	8	0.37
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	8	0.37
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	8	0.37
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	8	0.37
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	8	0.37
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	8	0.37
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	8	0.37
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	8	0.37
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	8	0.37
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	2	0.37
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	6	0.37
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	9	0.37
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	9	0.37
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	13	0.37
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	13	0.37
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	13	0.37
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG21	12	0.37
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG22	12	0.37
(1,790)	1:1250:A:VAL:HA	1:1251:A:THR:HG23	12	0.37
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	12	0.37
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	12	0.37
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	17	0.37
(1,702)	1:1217:A:MET:HA	1:1225:A:TRP:HE3	12	0.37
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	18	0.37
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	5	0.37
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	4	0.37
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	12	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	4	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	4	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	4	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	7	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	7	0.37
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	7	0.37
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	2	0.37
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	6	0.37
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	15	0.37
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	12	0.37
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	10	0.37
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	15	0.37
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	16	0.36
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	6	0.36
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	6	0.36
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	6	0.36
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	6	0.36
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	14	0.36
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	14	0.36
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	9	0.36
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	9	0.36
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	9	0.36
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	9	0.36
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	9	0.36
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	9	0.36
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	9	0.36
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	9	0.36
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	9	0.36
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	9	0.36
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	9	0.36
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	9	0.36
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	9	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	14	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	14	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	14	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	14	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	14	0.36
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	14	0.36
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	3	0.36
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	3	0.36
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	3	0.36
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	3	0.36
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	3	0.36
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	3	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	16	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	16	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	16	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	16	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	16	0.36
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	16	0.36
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	18	0.36
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	18	0.36
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	7	0.36
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	7	0.36
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	13	0.36
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	13	0.36
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	13	0.36
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	13	0.36
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	13	0.36
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	13	0.36
(1,1363)	1:1169:A:LYS:HA	1:1169:A:LYS:HD2	13	0.36
(1,1363)	1:1169:A:LYS:HA	1:1169:A:LYS:HD3	13	0.36
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	1	0.36
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	1	0.36
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	1	0.36
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	1	0.36
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	1	0.36
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	1	0.36
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	10	0.36
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	10	0.36
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	11	0.36
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	11	0.36
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	11	0.36
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	20	0.36
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	20	0.36
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	20	0.36
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	15	0.36
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	15	0.36
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	15	0.36
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG2	5	0.36
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG3	5	0.36
(1,1121)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	4	0.36
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD11	10	0.36
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD12	10	0.36
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD13	10	0.36
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	16	0.36
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	19	0.36
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	19	0.36
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	20	0.36
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	9	0.36
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	9	0.36
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	9	0.36
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	16	0.36
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	16	0.36
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	16	0.36
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	4	0.36
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	19	0.36
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	3	0.36
(1,689)	1:1183:A:MET:HA	1:1185:A:GLU:H	9	0.36
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	12	0.36
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	12	0.36
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	12	0.36
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	8	0.36
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	5	0.36
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	5	0.36
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	5	0.36
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	5	0.36
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	7	0.36
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	11	0.36
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	9	0.36
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	9	0.36
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	9	0.36
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	1	0.36
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	10	0.36
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	4	0.36
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	12	0.36
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	3	0.36
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	3	0.36
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	3	0.36
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	4	0.36
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	9	0.36
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	16	0.36
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	1	0.35
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	4	0.35
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	7	0.35
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	7	0.35
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	7	0.35
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	7	0.35
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	7	0.35
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	7	0.35
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	15	0.35
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	15	0.35
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	9	0.35
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	9	0.35
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	9	0.35
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	9	0.35
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	19	0.35
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	19	0.35
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	19	0.35
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	19	0.35
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	19	0.35
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	19	0.35
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	14	0.35
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	14	0.35
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	14	0.35
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	14	0.35
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	14	0.35
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	3	0.35
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	3	0.35
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	3	0.35
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	3	0.35
(1,1244)	1:1168:A:VAL:HG21	1:1193:A:TYR:HE1	9	0.35
(1,1244)	1:1168:A:VAL:HG22	1:1193:A:TYR:HE1	9	0.35
(1,1244)	1:1168:A:VAL:HG23	1:1193:A:TYR:HE1	9	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	13	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	13	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	13	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	13	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	13	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	13	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	13	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	13	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	13	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	20	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	20	0.35
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	20	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	20	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	20	0.35
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	20	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	20	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	20	0.35
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	20	0.35
(1,1125)	1:1211:A:LYS:H	1:1250:A:VAL:HB	7	0.35
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	9	0.35
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	9	0.35
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	9	0.35
(1,1061)	1:1198:A:ILE:HD11	1:1240:A:LEU:HG	8	0.35
(1,1061)	1:1198:A:ILE:HD12	1:1240:A:LEU:HG	8	0.35
(1,1061)	1:1198:A:ILE:HD13	1:1240:A:LEU:HG	8	0.35
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	4	0.35
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	5	0.35
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	5	0.35
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	5	0.35
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD21	7	0.35
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD22	7	0.35
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD23	7	0.35
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD21	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD22	7	0.35
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD23	7	0.35
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	3	0.35
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	3	0.35
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	3	0.35
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	6	0.35
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	6	0.35
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	6	0.35
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	8	0.35
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	8	0.35
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	16	0.35
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	16	0.35
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	16	0.35
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	1	0.35
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	6	0.35
(1,607)	1:1210:A:ILE:HA	1:1213:A:MET:HB2	9	0.35
(1,506)	1:1201:A:LYS:HA	1:1203:A:LEU:HG	12	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	5	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	5	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	5	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	14	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	14	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	14	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	17	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	17	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	17	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	18	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	18	0.35
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	18	0.35
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	4	0.35
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	8	0.35
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	6	0.35
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	13	0.35
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	3	0.34
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	16	0.34
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	16	0.34
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	16	0.34
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	16	0.34
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	17	0.34
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	17	0.34
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	17	0.34
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	17	0.34
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	17	0.34
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	11	0.34
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	11	0.34
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	12	0.34
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	12	0.34
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD2	12	0.34
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD3	12	0.34
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE21	19	0.34
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE22	19	0.34
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE21	19	0.34
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE22	19	0.34
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE21	19	0.34
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE22	19	0.34
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD11	5	0.34
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD12	5	0.34
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD13	5	0.34
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD11	5	0.34
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD12	5	0.34
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD13	5	0.34
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD2	1	0.34
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD3	1	0.34
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	11	0.34
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	11	0.34
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	11	0.34
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	11	0.34
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	11	0.34
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	11	0.34
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	11	0.34
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	11	0.34
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	17	0.34
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	17	0.34
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	17	0.34
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	17	0.34
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	17	0.34
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	20	0.34
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	20	0.34
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	20	0.34
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	20	0.34
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	20	0.34
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	20	0.34
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG2	9	0.34
(1,1324)	1:1164:A:GLU:H	1:1164:A:GLU:HG3	9	0.34
(1,1213)	1:1162:A:ALA:HB1	1:1163:A:VAL:HB	9	0.34
(1,1213)	1:1162:A:ALA:HB2	1:1163:A:VAL:HB	9	0.34
(1,1213)	1:1162:A:ALA:HB3	1:1163:A:VAL:HB	9	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	5	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	5	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	5	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	14	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	14	0.34
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	14	0.34
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	15	0.34
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	15	0.34
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	15	0.34
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	15	0.34
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	15	0.34
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	15	0.34
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	7	0.34
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	7	0.34
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	5	0.34
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	5	0.34
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	9	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	3	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	3	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	3	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	7	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	7	0.34
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	7	0.34
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD21	9	0.34
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD22	9	0.34
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD23	9	0.34
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	10	0.34
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	10	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	4	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	4	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	4	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	17	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	17	0.34
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	17	0.34
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	3	0.34
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	3	0.34
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	18	0.34
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	18	0.34
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	11	0.34
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	11	0.34
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	11	0.34
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	6	0.34
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	8	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	15	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	15	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	15	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	19	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	19	0.34
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	19	0.34
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	4	0.34
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	12	0.34
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	1	0.34
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	2	0.34
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	11	0.34
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	14	0.34
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	15	0.34
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	17	0.34
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	3	0.34
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	3	0.34
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	3	0.34
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	6	0.34
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	17	0.34
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	14	0.34
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	5	0.34
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	18	0.34
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	17	0.34
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	17	0.34
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	6	0.34
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	6	0.34
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	6	0.34
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	20	0.34
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	20	0.34
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	20	0.34
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	5	0.33
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	6	0.33
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	6	0.33
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	6	0.33
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	6	0.33
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	6	0.33
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	6	0.33
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	1	0.33
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	1	0.33
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	1	0.33
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	1	0.33
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	1	0.33
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	1	0.33
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	2	0.33
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	2	0.33
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	18	0.33
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	18	0.33
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	18	0.33
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	18	0.33
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	18	0.33
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	18	0.33
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	18	0.33
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	20	0.33
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	20	0.33
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	20	0.33
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	20	0.33
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	20	0.33
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	6	0.33
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	6	0.33
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	15	0.33
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	15	0.33
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	13	0.33
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	13	0.33
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	13	0.33
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	13	0.33
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	13	0.33
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	13	0.33
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	13	0.33
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	13	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	1	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	1	0.33
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	1	0.33
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	18	0.33
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	14	0.33
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	11	0.33
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	11	0.33
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	11	0.33
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	6	0.33
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	6	0.33
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	6	0.33
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	6	0.33
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	6	0.33
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	6	0.33
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG11	18	0.33
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG12	18	0.33
(1,1155)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG13	18	0.33
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG11	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG12	18	0.33
(1,1155)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG13	18	0.33
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	7	0.33
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	2	0.33
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	2	0.33
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	2	0.33
(1,873)	1:1211:A:LYS:HA	1:1214:A:LYS:HD2	4	0.33
(1,873)	1:1211:A:LYS:HA	1:1214:A:LYS:HD3	4	0.33
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	9	0.33
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	3	0.33
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	3	0.33
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	3	0.33
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	12	0.33
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	13	0.33
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	13	0.33
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	13	0.33
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	16	0.33
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	16	0.33
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	16	0.33
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	5	0.33
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	20	0.33
(1,702)	1:1217:A:MET:HA	1:1225:A:TRP:HE3	17	0.33
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	13	0.33
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	13	0.33
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	17	0.33
(1,607)	1:1210:A:ILE:HA	1:1213:A:MET:HB2	5	0.33
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	9	0.33
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	9	0.33
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	13	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	6	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	6	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	6	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	16	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	16	0.33
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	16	0.33
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	5	0.33
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	5	0.33
(1,339)	1:1191:A:VAL:HG11	1:1195:A:THR:H	17	0.33
(1,339)	1:1191:A:VAL:HG12	1:1195:A:THR:H	17	0.33
(1,339)	1:1191:A:VAL:HG13	1:1195:A:THR:H	17	0.33
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	13	0.33
(1,267)	1:1167:A:ASP:HA	1:1170:A:THR:H	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	7	0.33
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	7	0.33
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	7	0.33
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	8	0.33
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	11	0.33
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	20	0.33
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	6	0.33
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	14	0.33
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	14	0.33
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	11	0.32
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	11	0.32
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	11	0.32
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	11	0.32
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	11	0.32
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	11	0.32
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	20	0.32
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	20	0.32
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	20	0.32
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	20	0.32
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	20	0.32
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	20	0.32
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG2	17	0.32
(1,1642)	1:1233:A:LEU:HB2	1:1237:A:GLN:HG3	17	0.32
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG2	17	0.32
(1,1642)	1:1233:A:LEU:HB3	1:1237:A:GLN:HG3	17	0.32
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	16	0.32
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	16	0.32
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	10	0.32
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	10	0.32
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	10	0.32
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	10	0.32
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	10	0.32
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	10	0.32
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD2	14	0.32
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD3	14	0.32
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	5	0.32
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	5	0.32
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	6	0.32
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	6	0.32
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	4	0.32
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	4	0.32
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	4	0.32
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	4	0.32
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	4	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD11	3	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD12	3	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD13	3	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD21	3	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD22	3	0.32
(1,1368)	1:1170:A:THR:HB	1:1171:A:LEU:HD23	3	0.32
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	8	0.32
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	8	0.32
(1,1300)	1:1158:A:ASN:HB2	1:1163:A:VAL:HA	10	0.32
(1,1300)	1:1158:A:ASN:HB3	1:1163:A:VAL:HA	10	0.32
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	19	0.32
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	19	0.32
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	19	0.32
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	8	0.32
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	15	0.32
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	15	0.32
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	15	0.32
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	19	0.32
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	8	0.32
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	8	0.32
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	8	0.32
(1,1164)	1:1238:A:VAL:HA	1:1241:A:GLN:HB3	3	0.32
(1,1129)	1:1203:A:LEU:HB2	1:1206:A:LEU:HB3	5	0.32
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD11	17	0.32
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD12	17	0.32
(1,1105)	1:1213:A:MET:HB3	1:1232:A:ILE:HD13	17	0.32
(1,1087)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	12	0.32
(1,1087)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	12	0.32
(1,1087)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	12	0.32
(1,1016)	1:1182:A:PRO:HB2	1:1225:A:TRP:HD1	10	0.32
(1,1016)	1:1182:A:PRO:HB3	1:1225:A:TRP:HD1	10	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	10	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	10	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	10	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	10	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	10	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	10	0.32
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	10	0.32
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	10	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	14	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	14	0.32
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	14	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	14	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	14	0.32
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	14	0.32
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	14	0.32
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	14	0.32
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	14	0.32
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	15	0.32
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	9	0.32
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	3	0.32
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	11	0.32
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	11	0.32
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	11	0.32
(1,927)	1:1203:A:LEU:HD21	1:1244:A:TYR:HD1	8	0.32
(1,927)	1:1203:A:LEU:HD22	1:1244:A:TYR:HD1	8	0.32
(1,927)	1:1203:A:LEU:HD23	1:1244:A:TYR:HD1	8	0.32
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	13	0.32
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	2	0.32
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	2	0.32
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	6	0.32
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	19	0.32
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	15	0.32
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	6	0.32
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	10	0.32
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	1	0.32
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	5	0.32
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	4	0.32
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	4	0.32
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	4	0.32
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	10	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	5	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	5	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	5	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	17	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	17	0.32
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	17	0.32
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	5	0.32
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	18	0.32
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	3	0.32
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	18	0.32
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	19	0.31
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	9	0.31
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	18	0.31
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	17	0.31
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD21	13	0.31
(1,1607)	1:1226:A:ASN:H	1:1226:A:ASN:HD22	13	0.31
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	15	0.31
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	15	0.31
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	15	0.31
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	15	0.31
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG2	9	0.31
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG3	9	0.31
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	4	0.31
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	4	0.31
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	4	0.31
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	4	0.31
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	4	0.31
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	4	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	15	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	15	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	15	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	15	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	15	0.31
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	15	0.31
(1,1405)	1:1184:A:GLU:HG2	1:1188:A:LEU:HG	4	0.31
(1,1405)	1:1184:A:GLU:HG3	1:1188:A:LEU:HG	4	0.31
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	19	0.31
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	19	0.31
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	19	0.31
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	19	0.31
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	19	0.31
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	19	0.31
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	19	0.31
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	19	0.31
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	19	0.31
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	19	0.31
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	19	0.31
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	19	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD11	3	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD12	3	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD13	3	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD21	3	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD22	3	0.31
(1,1369)	1:1170:A:THR:HG21	1:1171:A:LEU:HD23	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD11	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD12	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD13	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD21	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD22	3	0.31
(1,1369)	1:1170:A:THR:HG22	1:1171:A:LEU:HD23	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD11	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD12	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD13	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD21	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD22	3	0.31
(1,1369)	1:1170:A:THR:HG23	1:1171:A:LEU:HD23	3	0.31
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	2	0.31
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	2	0.31
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	2	0.31
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	2	0.31
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	2	0.31
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	2	0.31
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	17	0.31
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	17	0.31
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	17	0.31
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	11	0.31
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	11	0.31
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	11	0.31
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	11	0.31
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	11	0.31
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	11	0.31
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	2	0.31
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	2	0.31
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	2	0.31
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	8	0.31
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	8	0.31
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	8	0.31
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	8	0.31
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	4	0.31
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	4	0.31
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	2	0.31
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	2	0.31
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	2	0.31
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	2	0.31
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	2	0.31
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	2	0.31
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	2	0.31
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	2	0.31
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	2	0.31
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	7	0.31
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	19	0.31
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	15	0.31
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	15	0.31
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG21	15	0.31
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG22	15	0.31
(1,999)	1:1187:A:ILE:HG21	1:1232:A:ILE:HG23	15	0.31
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG21	15	0.31
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG22	15	0.31
(1,999)	1:1187:A:ILE:HG22	1:1232:A:ILE:HG23	15	0.31
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG21	15	0.31
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG22	15	0.31
(1,999)	1:1187:A:ILE:HG23	1:1232:A:ILE:HG23	15	0.31
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	10	0.31
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	5	0.31
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	8	0.31
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	15	0.31
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	15	0.31
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	15	0.31
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	4	0.31
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	6	0.31
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	14	0.31
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	15	0.31
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	5	0.31
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	5	0.31
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	5	0.31
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	9	0.31
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	11	0.31
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	16	0.31
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	16	0.31
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	16	0.31
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	19	0.31
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	12	0.31
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	12	0.31
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	12	0.31
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	10	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	20	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	20	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	20	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	20	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	20	0.31
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	20	0.31
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	5	0.31
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	3	0.31
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	16	0.31
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	18	0.31
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	20	0.31
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	20	0.31
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	20	0.31
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	15	0.31
(1,305)	1:1164:A:GLU:HB2	1:1166:A:ASN:H	9	0.31
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	2	0.31
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	16	0.31
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	6	0.31
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	2	0.31
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	2	0.31
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	2	0.31
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	17	0.31
(1,122)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	12	0.31
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	7	0.31
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	7	0.31
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	15	0.31
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	15	0.31
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	7	0.31
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	1	0.3
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	20	0.3
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	1	0.3
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	1	0.3
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	1	0.3
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	1	0.3
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	1	0.3
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	10	0.3
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	14	0.3
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	14	0.3
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	14	0.3
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	14	0.3
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	14	0.3
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	14	0.3
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	19	0.3
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	19	0.3
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	19	0.3
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	19	0.3
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	5	0.3
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	5	0.3
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	5	0.3
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	5	0.3
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	5	0.3
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	5	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	15	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	15	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	15	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	15	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	15	0.3
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	15	0.3
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	7	0.3
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	7	0.3
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	10	0.3
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	10	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	17	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	17	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	17	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	17	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	17	0.3
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	17	0.3
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	15	0.3
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	15	0.3
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	12	0.3
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	9	0.3
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	9	0.3
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	9	0.3
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	6	0.3
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	6	0.3
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	6	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	6	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	6	0.3
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	6	0.3
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	11	0.3
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	16	0.3
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	16	0.3
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	16	0.3
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	6	0.3
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	6	0.3
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	6	0.3
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	9	0.3
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	9	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	1	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	1	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	1	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	17	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	17	0.3
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	6	0.3
(1,1039)	1:1201:A:LYS:H	1:1201:A:LYS:HG2	10	0.3
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	19	0.3
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG21	7	0.3
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG22	7	0.3
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG23	7	0.3
(1,940)	1:1237:A:GLN:HA	1:1240:A:LEU:HB3	19	0.3
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	11	0.3
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	11	0.3
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	11	0.3
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	2	0.3
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	2	0.3
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	2	0.3
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	18	0.3
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	9	0.3
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	9	0.3
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	8	0.3
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	8	0.3
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	13	0.3
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE2	13	0.3
(1,704)	1:1166:A:ASN:HA	1:1169:A:LYS:HE3	13	0.3
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	18	0.3
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	11	0.3
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	11	0.3
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB2	9	0.3
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB3	9	0.3
(1,607)	1:1210:A:ILE:HA	1:1213:A:MET:HB2	10	0.3
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	15	0.3
(1,576)	1:1184:A:GLU:HA	1:1187:A:ILE:HG12	17	0.3
(1,576)	1:1184:A:GLU:HA	1:1187:A:ILE:HG13	17	0.3
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	11	0.3
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	17	0.3
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	8	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	1	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	1	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	1	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	9	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	9	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	9	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	13	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	13	0.3
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:1173:A:ARG:HD2	1:1216:A:LEU:HB3	1	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	7	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	7	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	7	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	7	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	7	0.3
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	7	0.3
(1,360)	1:1163:A:VAL:H	1:1163:A:VAL:HB	9	0.3
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	10	0.3
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	11	0.3
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	20	0.3
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	4	0.3
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	19	0.3
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	19	0.3
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	11	0.3
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	12	0.3
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	19	0.29
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	6	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	12	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	12	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	12	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	12	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	12	0.29
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	12	0.29
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD21	4	0.29
(1,1605)	1:1225:A:TRP:HB2	1:1226:A:ASN:HD22	4	0.29
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD21	4	0.29
(1,1605)	1:1225:A:TRP:HB3	1:1226:A:ASN:HD22	4	0.29
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	7	0.29
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	7	0.29
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	7	0.29
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	7	0.29
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	7	0.29
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	7	0.29
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	10	0.29
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	10	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	13	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	13	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	13	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	13	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	13	0.29
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	12	0.29
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	12	0.29
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	12	0.29
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	12	0.29
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	12	0.29
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	12	0.29
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	12	0.29
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	12	0.29
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	15	0.29
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	15	0.29
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	14	0.29
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	14	0.29
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	14	0.29
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	14	0.29
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	14	0.29
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	14	0.29
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	14	0.29
(1,1354)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	7	0.29
(1,1354)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	7	0.29
(1,1354)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	7	0.29
(1,1354)	1:1168:A:VAL:HG21	1:1193:A:TYR:HD1	7	0.29
(1,1354)	1:1168:A:VAL:HG22	1:1193:A:TYR:HD1	7	0.29
(1,1354)	1:1168:A:VAL:HG23	1:1193:A:TYR:HD1	7	0.29
(1,1277)	1:1210:A:ILE:HD11	1:1247:A:THR:HB	16	0.29
(1,1277)	1:1210:A:ILE:HD12	1:1247:A:THR:HB	16	0.29
(1,1277)	1:1210:A:ILE:HD13	1:1247:A:THR:HB	16	0.29
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	17	0.29
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	17	0.29
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	17	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	11	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	11	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	11	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	18	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	18	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	18	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	19	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	19	0.29
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	19	0.29
(1,1136)	1:1181:A:ASP:HA	1:1224:A:VAL:HG21	20	0.29
(1,1136)	1:1181:A:ASP:HA	1:1224:A:VAL:HG22	20	0.29
(1,1136)	1:1181:A:ASP:HA	1:1224:A:VAL:HG23	20	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	1	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	1	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	1	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	7	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	7	0.29
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	7	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	2	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	2	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	2	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	19	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	19	0.29
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	19	0.29
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	9	0.29
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	9	0.29
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	9	0.29
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	9	0.29
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	9	0.29
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	9	0.29
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	9	0.29
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	9	0.29
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	9	0.29
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	17	0.29
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	17	0.29
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	17	0.29
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	13	0.29
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	6	0.29
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	6	0.29
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	17	0.29
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	14	0.29
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	14	0.29
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	14	0.29
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	19	0.29
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	20	0.29
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	10	0.29
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	13	0.29
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	13	0.29
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	13	0.29
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	13	0.29
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG2	11	0.29
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG3	11	0.29
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	7	0.29
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	9	0.29
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	8	0.29
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	13	0.29
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	19	0.29
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	19	0.29
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	7	0.29
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	15	0.29
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	8	0.29
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	8	0.29
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	8	0.29
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	2	0.29
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	4	0.29
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	11	0.29
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	1	0.29
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	4	0.29
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	4	0.29
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	4	0.29
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	15	0.29
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	3	0.29
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	3	0.29
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	7	0.28
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	1	0.28
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	20	0.28
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	7	0.28
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	19	0.28
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	10	0.28
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	10	0.28
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	10	0.28
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	10	0.28
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	10	0.28
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	9	0.28
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	9	0.28
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	9	0.28
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	9	0.28
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	9	0.28
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	9	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	18	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	18	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	18	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	18	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	18	0.28
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	18	0.28
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	1	0.28
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	1	0.28
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	1	0.28
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	1	0.28
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	1	0.28
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	1	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	6	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	6	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	6	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	6	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	6	0.28
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	6	0.28
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD2	10	0.28
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD3	10	0.28
(1,1517)	1:1206:A:LEU:HD11	1:1240:A:LEU:HB2	1	0.28
(1,1517)	1:1206:A:LEU:HD12	1:1240:A:LEU:HB2	1	0.28
(1,1517)	1:1206:A:LEU:HD13	1:1240:A:LEU:HB2	1	0.28
(1,1517)	1:1206:A:LEU:HD21	1:1240:A:LEU:HB2	1	0.28
(1,1517)	1:1206:A:LEU:HD22	1:1240:A:LEU:HB2	1	0.28
(1,1517)	1:1206:A:LEU:HD23	1:1240:A:LEU:HB2	1	0.28
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD2	1	0.28
(1,1499)	1:1205:A:LYS:HA	1:1205:A:LYS:HD3	1	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	5	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	5	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	5	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	5	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	5	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	5	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	5	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	7	0.28
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	7	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	7	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	7	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	7	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	7	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	7	0.28
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	7	0.28
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	14	0.28
(1,1410)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	14	0.28
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD11	17	0.28
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD12	17	0.28
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD13	17	0.28
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD11	17	0.28
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD12	17	0.28
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD13	17	0.28
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	5	0.28
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	4	0.28
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	4	0.28
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	4	0.28
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	8	0.28
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	8	0.28
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	8	0.28
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	8	0.28
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	8	0.28
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	8	0.28
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	2	0.28
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	12	0.28
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	12	0.28
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	12	0.28
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG11	15	0.28
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG12	15	0.28
(1,1235)	1:1162:A:ALA:HB1	1:1168:A:VAL:HG13	15	0.28
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG11	15	0.28
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG12	15	0.28
(1,1235)	1:1162:A:ALA:HB2	1:1168:A:VAL:HG13	15	0.28
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG11	15	0.28
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG12	15	0.28
(1,1235)	1:1162:A:ALA:HB3	1:1168:A:VAL:HG13	15	0.28
(1,1150)	1:1210:A:ILE:HG21	1:1213:A:MET:HB2	14	0.28
(1,1150)	1:1210:A:ILE:HG22	1:1213:A:MET:HB2	14	0.28
(1,1150)	1:1210:A:ILE:HG23	1:1213:A:MET:HB2	14	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	6	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	6	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	6	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	6	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	6	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	6	0.28
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	6	0.28
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	6	0.28
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	6	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	17	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	17	0.28
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	17	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	17	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	17	0.28
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	17	0.28
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	17	0.28
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	17	0.28
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	20	0.28
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	1	0.28
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	14	0.28
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	16	0.28
(1,822)	1:1210:A:ILE:HD11	1:1233:A:LEU:HG	18	0.28
(1,822)	1:1210:A:ILE:HD12	1:1233:A:LEU:HG	18	0.28
(1,822)	1:1210:A:ILE:HD13	1:1233:A:LEU:HG	18	0.28
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	12	0.28
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	5	0.28
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	5	0.28
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	5	0.28
(1,692)	1:1213:A:MET:HA	1:1216:A:LEU:HG	9	0.28
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	19	0.28
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	3	0.28
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	3	0.28
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	5	0.28
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	5	0.28
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	5	0.28
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	10	0.28
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	4	0.28
(1,572)	1:1207:A:ASP:HA	1:1210:A:ILE:HB	1	0.28
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	16	0.28
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	16	0.28
(1,436)	1:1202:A:ASP:HA	1:1204:A:GLU:H	5	0.28
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	7	0.28
(1,360)	1:1163:A:VAL:H	1:1163:A:VAL:HB	16	0.28
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	12	0.28
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	14	0.28
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	17	0.28
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	11	0.28
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	20	0.28
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	11	0.28
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	11	0.28
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	11	0.28
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	14	0.28
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	14	0.28
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	14	0.28
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	14	0.28
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	1	0.28
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	5	0.27
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	10	0.27
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	6	0.27
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	6	0.27
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	6	0.27
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	6	0.27
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	6	0.27
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	6	0.27
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	5	0.27
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	5	0.27
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	5	0.27
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	5	0.27
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	5	0.27
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	5	0.27
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	13	0.27
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	13	0.27
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	13	0.27
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	13	0.27
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	13	0.27
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	13	0.27
(1,1508)	1:1205:A:LYS:HD2	1:1209:A:VAL:H	9	0.27
(1,1508)	1:1205:A:LYS:HD3	1:1209:A:VAL:H	9	0.27
(1,1484)	1:1201:A:LYS:HB2	1:1244:A:TYR:HE1	12	0.27
(1,1484)	1:1201:A:LYS:HB3	1:1244:A:TYR:HE1	12	0.27
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	15	0.27
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	15	0.27
(1,1461)	1:1197:A:LEU:HD11	1:1203:A:LEU:HA	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	1:1197:A:LEU:HD12	1:1203:A:LEU:HA	8	0.27
(1,1461)	1:1197:A:LEU:HD13	1:1203:A:LEU:HA	8	0.27
(1,1461)	1:1197:A:LEU:HD21	1:1203:A:LEU:HA	8	0.27
(1,1461)	1:1197:A:LEU:HD22	1:1203:A:LEU:HA	8	0.27
(1,1461)	1:1197:A:LEU:HD23	1:1203:A:LEU:HA	8	0.27
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	4	0.27
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	4	0.27
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	4	0.27
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	4	0.27
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	4	0.27
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	4	0.27
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	18	0.27
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	18	0.27
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	18	0.27
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	18	0.27
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	18	0.27
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	18	0.27
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	15	0.27
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	15	0.27
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	5	0.27
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	5	0.27
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	5	0.27
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	12	0.27
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	12	0.27
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	12	0.27
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	5	0.27
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	8	0.27
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	8	0.27
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	8	0.27
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB2	10	0.27
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB3	10	0.27
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB2	10	0.27
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB3	10	0.27
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB2	10	0.27
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB3	10	0.27
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	9	0.27
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	18	0.27
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	18	0.27
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	18	0.27
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	18	0.27
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	18	0.27
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	10	0.27
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	10	0.27
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	10	0.27
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	8	0.27
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	8	0.27
(1,1061)	1:1198:A:ILE:HD11	1:1240:A:LEU:HG	18	0.27
(1,1061)	1:1198:A:ILE:HD12	1:1240:A:LEU:HG	18	0.27
(1,1061)	1:1198:A:ILE:HD13	1:1240:A:LEU:HG	18	0.27
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	3	0.27
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	3	0.27
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	3	0.27
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	3	0.27
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	3	0.27
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	3	0.27
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	3	0.27
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	3	0.27
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	3	0.27
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	6	0.27
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	6	0.27
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	2	0.27
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	2	0.27
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	2	0.27
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	2	0.27
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	2	0.27
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	2	0.27
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	12	0.27
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	15	0.27
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	9	0.27
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	9	0.27
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	9	0.27
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	17	0.27
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	17	0.27
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	17	0.27
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	10	0.27
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	10	0.27
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	10	0.27
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	10	0.27
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	7	0.27
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	13	0.27
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	8	0.27
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	8	0.27
(1,758)	1:1243:A:THR:HA	1:1244:A:TYR:HD1	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	3	0.27
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	17	0.27
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	16	0.27
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	3	0.27
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	11	0.27
(1,584)	1:1185:A:GLU:HA	1:1188:A:LEU:HG	12	0.27
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	20	0.27
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	4	0.27
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	4	0.27
(1,507)	1:1251:A:THR:HA	1:1251:A:THR:HB	1	0.27
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	3	0.27
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	3	0.27
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	3	0.27
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	10	0.27
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	10	0.27
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	8	0.27
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	11	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	1	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	1	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	1	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	1	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	1	0.27
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	1	0.27
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	7	0.27
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	11	0.27
(1,301)	1:1207:A:ASP:H	1:1210:A:ILE:HG12	3	0.27
(1,197)	1:1164:A:GLU:H	1:1164:A:GLU:HG2	10	0.27
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	2	0.27
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	12	0.27
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	12	0.27
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	12	0.27
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	6	0.27
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	5	0.27
(1,7)	1:1169:A:LYS:HB2	1:1170:A:THR:H	13	0.27
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	11	0.26
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	11	0.26
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	9	0.26
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	5	0.26
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	13	0.26
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB2	5	0.26
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB3	5	0.26
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB3	5	0.26
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB2	5	0.26
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB3	5	0.26
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB2	5	0.26
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB3	5	0.26
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB2	5	0.26
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB3	5	0.26
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB2	5	0.26
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB3	5	0.26
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	19	0.26
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	19	0.26
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	19	0.26
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	19	0.26
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	19	0.26
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	19	0.26
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB2	1	0.26
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB3	1	0.26
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB2	1	0.26
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB3	1	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	7	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	7	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	7	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	7	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	7	0.26
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	7	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	13	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	16	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	16	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	16	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	16	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	16	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	17	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	17	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	17	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	17	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	17	0.26
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	17	0.26
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG2	20	0.26
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG3	20	0.26
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	19	0.26
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	19	0.26
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	19	0.26
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	19	0.26
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	19	0.26
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	19	0.26
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE21	20	0.26
(1,1531)	1:1210:A:ILE:HG21	1:1237:A:GLN:HE22	20	0.26
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE21	20	0.26
(1,1531)	1:1210:A:ILE:HG22	1:1237:A:GLN:HE22	20	0.26
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE21	20	0.26
(1,1531)	1:1210:A:ILE:HG23	1:1237:A:GLN:HE22	20	0.26
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB2	3	0.26
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB3	3	0.26
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB2	3	0.26
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB3	3	0.26
(1,1484)	1:1201:A:LYS:HB2	1:1244:A:TYR:HE1	9	0.26
(1,1484)	1:1201:A:LYS:HB3	1:1244:A:TYR:HE1	9	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	16	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	16	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	16	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	16	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	16	0.26
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	16	0.26
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	16	0.26
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	16	0.26
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	16	0.26
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	16	0.26
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	16	0.26
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	16	0.26
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD11	16	0.26
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD12	16	0.26
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD13	16	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD11	16	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD12	16	0.26
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD13	16	0.26
(1,1357)	1:1168:A:VAL:HG11	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG11	1:1205:A:LYS:HE3	10	0.26
(1,1357)	1:1168:A:VAL:HG12	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG12	1:1205:A:LYS:HE3	10	0.26
(1,1357)	1:1168:A:VAL:HG13	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG13	1:1205:A:LYS:HE3	10	0.26
(1,1357)	1:1168:A:VAL:HG21	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG21	1:1205:A:LYS:HE3	10	0.26
(1,1357)	1:1168:A:VAL:HG22	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG22	1:1205:A:LYS:HE3	10	0.26
(1,1357)	1:1168:A:VAL:HG23	1:1205:A:LYS:HE2	10	0.26
(1,1357)	1:1168:A:VAL:HG23	1:1205:A:LYS:HE3	10	0.26
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	8	0.26
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	8	0.26
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	8	0.26
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	8	0.26
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	8	0.26
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	8	0.26
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	8	0.26
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	7	0.26
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	7	0.26
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	7	0.26
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	19	0.26
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	19	0.26
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	19	0.26
(1,1237)	1:1168:A:VAL:HG11	1:1193:A:TYR:HE1	1	0.26
(1,1237)	1:1168:A:VAL:HG12	1:1193:A:TYR:HE1	1	0.26
(1,1237)	1:1168:A:VAL:HG13	1:1193:A:TYR:HE1	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:1210:A:ILE:HG21	1:1250:A:VAL:HB	4	0.26
(1,1149)	1:1210:A:ILE:HG22	1:1250:A:VAL:HB	4	0.26
(1,1149)	1:1210:A:ILE:HG23	1:1250:A:VAL:HB	4	0.26
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	19	0.26
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	19	0.26
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	19	0.26
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	8	0.26
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	8	0.26
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	6	0.26
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	16	0.26
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	7	0.26
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	7	0.26
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	7	0.26
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD21	9	0.26
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD22	9	0.26
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD23	9	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	7	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	7	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	7	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	14	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	14	0.26
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	14	0.26
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	18	0.26
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	15	0.26
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	15	0.26
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	14	0.26
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	14	0.26
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	14	0.26
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	13	0.26
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	13	0.26
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	13	0.26
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	20	0.26
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	20	0.26
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	20	0.26
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	17	0.26
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	16	0.26
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	16	0.26
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE2	20	0.26
(1,654)	1:1249:A:LYS:HA	1:1249:A:LYS:HE3	20	0.26
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	3	0.26
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	3	0.26
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	17	0.26
(1,607)	1:1210:A:ILE:HA	1:1213:A:MET:HB2	17	0.26
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB2	12	0.26
(1,573)	1:1207:A:ASP:HA	1:1248:A:LEU:HB3	12	0.26
(1,516)	1:1201:A:LYS:HE2	1:1202:A:ASP:H	14	0.26
(1,516)	1:1201:A:LYS:HE3	1:1202:A:ASP:H	14	0.26
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	16	0.26
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	16	0.26
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	16	0.26
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	18	0.26
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	14	0.26
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	19	0.26
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	2	0.26
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	5	0.26
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	5	0.26
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	5	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	7	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	7	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	7	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	14	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	14	0.26
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	14	0.26
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	10	0.26
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	14	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	3	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	3	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	3	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	18	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	18	0.26
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	18	0.26
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	8	0.26
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	1	0.26
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	1	0.26
(1,19)	1:1201:A:LYS:H	1:1244:A:TYR:HE1	6	0.26
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	7	0.25
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	12	0.25
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	7	0.25
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	18	0.25
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	8	0.25
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	3	0.25
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	3	0.25
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	18	0.25
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	18	0.25
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	18	0.25
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	18	0.25
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	18	0.25
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	18	0.25
(1,1673)	1:1237:A:GLN:HE21	1:1247:A:THR:HB	14	0.25
(1,1673)	1:1237:A:GLN:HE22	1:1247:A:THR:HB	14	0.25
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	19	0.25
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	19	0.25
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	7	0.25
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	7	0.25
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	7	0.25
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	7	0.25
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	7	0.25
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	7	0.25
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	17	0.25
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	17	0.25
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE2	12	0.25
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE3	12	0.25
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB2	18	0.25
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB3	18	0.25
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD11	3	0.25
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD12	3	0.25
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD13	3	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD11	3	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD12	3	0.25
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD13	3	0.25
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD21	7	0.25
(1,1331)	1:1165:A:PHE:HB2	1:1166:A:ASN:HD22	7	0.25
(1,1328)	1:1164:A:GLU:HB2	1:1166:A:ASN:HB2	7	0.25
(1,1328)	1:1164:A:GLU:HB3	1:1166:A:ASN:HB2	7	0.25
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB2	15	0.25
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB3	15	0.25
(1,1274)	1:1210:A:ILE:HD11	1:1213:A:MET:HB2	17	0.25
(1,1274)	1:1210:A:ILE:HD12	1:1213:A:MET:HB2	17	0.25
(1,1274)	1:1210:A:ILE:HD13	1:1213:A:MET:HB2	17	0.25
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	4	0.25
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG21	16	0.25
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG22	16	0.25
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG23	16	0.25
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD11	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD12	20	0.25
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD13	20	0.25
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD11	20	0.25
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD12	20	0.25
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD13	20	0.25
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	13	0.25
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	13	0.25
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	15	0.25
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	15	0.25
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	15	0.25
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	8	0.25
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	7	0.25
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	7	0.25
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	3	0.25
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	17	0.25
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	17	0.25
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	17	0.25
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	8	0.25
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	8	0.25
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	8	0.25
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	1	0.25
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	1	0.25
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	1	0.25
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	8	0.25
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	8	0.25
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	8	0.25
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	14	0.25
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	14	0.25
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	14	0.25
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	4	0.25
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	17	0.25
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	19	0.25
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	19	0.25
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	13	0.25
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	13	0.25
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	7	0.25
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	7	0.25
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD11	2	0.25
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD12	2	0.25
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD13	2	0.25
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	14	0.25
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	17	0.25
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	6	0.25
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	2	0.25
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	2	0.25
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	2	0.25
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	14	0.25
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	14	0.25
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	14	0.25
(1,408)	1:1243:A:THR:HG21	1:1244:A:TYR:HD1	6	0.25
(1,408)	1:1243:A:THR:HG22	1:1244:A:TYR:HD1	6	0.25
(1,408)	1:1243:A:THR:HG23	1:1244:A:TYR:HD1	6	0.25
(1,362)	1:1238:A:VAL:H	1:1241:A:GLN:HG3	19	0.25
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	13	0.25
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	15	0.25
(1,248)	1:1159:A:LEU:H	1:1161:A:GLY:H	5	0.25
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	7	0.25
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	10	0.25
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	9	0.25
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	9	0.25
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	9	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	12	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	12	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	12	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	16	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	16	0.25
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	16	0.25
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	16	0.25
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	8	0.25
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	8	0.25
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	8	0.25
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	3	0.25
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	13	0.25
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	12	0.25
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	1	0.24
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	7	0.24
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	11	0.24
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	2	0.24
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	6	0.24
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	6	0.24
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	12	0.24
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	6	0.24
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	20	0.24
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	14	0.24
(1,1729)	1:1249:A:LYS:HG2	1:1250:A:VAL:HA	18	0.24
(1,1729)	1:1249:A:LYS:HG3	1:1250:A:VAL:HA	18	0.24
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG2	7	0.24
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG3	7	0.24
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD11	1:1237:A:GLN:HE22	16	0.24
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD12	1:1237:A:GLN:HE22	16	0.24
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD13	1:1237:A:GLN:HE22	16	0.24
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD21	1:1237:A:GLN:HE22	16	0.24
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD22	1:1237:A:GLN:HE22	16	0.24
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE21	16	0.24
(1,1650)	1:1233:A:LEU:HD23	1:1237:A:GLN:HE22	16	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	1	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	1	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	1	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	1	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	1	0.24
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	1	0.24
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	18	0.24
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	18	0.24
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	18	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	18	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	18	0.24
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	18	0.24
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD2	1	0.24
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD3	1	0.24
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	20	0.24
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	20	0.24
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	20	0.24
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	20	0.24
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	20	0.24
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	20	0.24
(1,1184)	1:1198:A:ILE:HG21	1:1203:A:LEU:HD21	15	0.24
(1,1184)	1:1198:A:ILE:HG21	1:1203:A:LEU:HD22	15	0.24
(1,1184)	1:1198:A:ILE:HG21	1:1203:A:LEU:HD23	15	0.24
(1,1184)	1:1198:A:ILE:HG22	1:1203:A:LEU:HD21	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:1198:A:ILE:HG22	1:1203:A:LEU:HD22	15	0.24
(1,1184)	1:1198:A:ILE:HG22	1:1203:A:LEU:HD23	15	0.24
(1,1184)	1:1198:A:ILE:HG23	1:1203:A:LEU:HD21	15	0.24
(1,1184)	1:1198:A:ILE:HG23	1:1203:A:LEU:HD22	15	0.24
(1,1184)	1:1198:A:ILE:HG23	1:1203:A:LEU:HD23	15	0.24
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	3	0.24
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	3	0.24
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	3	0.24
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	3	0.24
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	3	0.24
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	3	0.24
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	6	0.24
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	6	0.24
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	6	0.24
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	11	0.24
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	11	0.24
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	18	0.24
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	18	0.24
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	4	0.24
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	12	0.24
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	12	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	12	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	12	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	12	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	12	0.24
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	17	0.24
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	17	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	17	0.24
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	17	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	17	0.24
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	17	0.24
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	6	0.24
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	6	0.24
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	16	0.24
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	16	0.24
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG21	10	0.24
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG22	10	0.24
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG23	10	0.24
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG21	14	0.24
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG22	14	0.24
(1,975)	1:1178:A:THR:H	1:1178:A:THR:HG23	14	0.24
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:1237:A:GLN:HA	1:1240:A:LEU:HB3	5	0.24
(1,936)	1:1203:A:LEU:HD11	1:1244:A:TYR:HD1	4	0.24
(1,936)	1:1203:A:LEU:HD12	1:1244:A:TYR:HD1	4	0.24
(1,936)	1:1203:A:LEU:HD13	1:1244:A:TYR:HD1	4	0.24
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	8	0.24
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	8	0.24
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	8	0.24
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	7	0.24
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	7	0.24
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	7	0.24
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	7	0.24
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	7	0.24
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	7	0.24
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	10	0.24
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	10	0.24
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	10	0.24
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	8	0.24
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	14	0.24
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	14	0.24
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	14	0.24
(1,743)	1:1170:A:THR:HA	1:1173:A:ARG:HG2	19	0.24
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	10	0.24
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	10	0.24
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	10	0.24
(1,716)	1:1179:A:ILE:HG21	1:1182:A:PRO:HA	10	0.24
(1,716)	1:1179:A:ILE:HG22	1:1182:A:PRO:HA	10	0.24
(1,716)	1:1179:A:ILE:HG23	1:1182:A:PRO:HA	10	0.24
(1,687)	1:1183:A:MET:HA	1:1184:A:GLU:HB2	12	0.24
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	8	0.24
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	8	0.24
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	8	0.24
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	4	0.24
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	3	0.24
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	9	0.24
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	9	0.24
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	9	0.24
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	14	0.24
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	1	0.24
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	5	0.24
(1,572)	1:1207:A:ASP:HA	1:1210:A:ILE:HB	18	0.24
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	10	0.24
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	10	0.24
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	11	0.24
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	11	0.24
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	11	0.24
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	12	0.24
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	6	0.24
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	7	0.24
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	3	0.24
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	6	0.24
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	6	0.24
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	6	0.24
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	6	0.24
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	16	0.24
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	16	0.24
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	16	0.24
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	19	0.24
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	19	0.24
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	19	0.24
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	1	0.24
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	16	0.24
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	6	0.24
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	8	0.24
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	15	0.24
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	15	0.24
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	15	0.24
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	10	0.24
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	1	0.24
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	1	0.24
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	1	0.24
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	17	0.24
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	19	0.24
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	1	0.24
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	2	0.24
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	17	0.24
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	17	0.24
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	17	0.24
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	9	0.24
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	9	0.24
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	3	0.23
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	19	0.23
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	20	0.23
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	20	0.23
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	12	0.23
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	14	0.23
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	4	0.23
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	17	0.23
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	15	0.23
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	4	0.23
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	17	0.23
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	15	0.23
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	15	0.23
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	15	0.23
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	1	0.23
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	14	0.23
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	14	0.23
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	14	0.23
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	14	0.23
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	14	0.23
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	14	0.23
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	7	0.23
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	7	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	14	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	14	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	14	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	14	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	14	0.23
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	14	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	18	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	18	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	18	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	18	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	18	0.23
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	18	0.23
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB2	9	0.23
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB3	9	0.23
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB2	9	0.23
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB3	9	0.23
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB3	9	0.23
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	1	0.23
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	9	0.23
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	9	0.23
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	9	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	2	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	2	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	2	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD21	14	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD22	14	0.23
(1,1236)	1:1205:A:LYS:HA	1:1208:A:LEU:HD23	14	0.23
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB2	2	0.23
(1,1170)	1:1176:A:ILE:HD11	1:1215:A:ARG:HB3	2	0.23
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB2	2	0.23
(1,1170)	1:1176:A:ILE:HD12	1:1215:A:ARG:HB3	2	0.23
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB2	2	0.23
(1,1170)	1:1176:A:ILE:HD13	1:1215:A:ARG:HB3	2	0.23
(1,1118)	1:1189:A:GLN:H	1:1189:A:GLN:HG3	12	0.23
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	13	0.23
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	13	0.23
(1,1060)	1:1198:A:ILE:HD11	1:1240:A:LEU:HB2	19	0.23
(1,1060)	1:1198:A:ILE:HD12	1:1240:A:LEU:HB2	19	0.23
(1,1060)	1:1198:A:ILE:HD13	1:1240:A:LEU:HB2	19	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	4	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	4	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	4	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	4	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	4	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	4	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	4	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	4	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	4	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	7	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	7	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	7	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	7	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	7	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	7	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	7	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	7	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	7	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	19	0.23
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	19	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	19	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	19	0.23
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	19	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	19	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	19	0.23
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	19	0.23
(1,1042)	1:1195:A:THR:HG21	1:1239:A:VAL:HB	1	0.23
(1,1042)	1:1195:A:THR:HG22	1:1239:A:VAL:HB	1	0.23
(1,1042)	1:1195:A:THR:HG23	1:1239:A:VAL:HB	1	0.23
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	13	0.23
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	7	0.23
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	1	0.23
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	1	0.23
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	1	0.23
(1,920)	1:1203:A:LEU:HD21	1:1206:A:LEU:HB3	5	0.23
(1,920)	1:1203:A:LEU:HD22	1:1206:A:LEU:HB3	5	0.23
(1,920)	1:1203:A:LEU:HD23	1:1206:A:LEU:HB3	5	0.23
(1,892)	1:1173:A:ARG:HB3	1:1216:A:LEU:HD21	9	0.23
(1,892)	1:1173:A:ARG:HB3	1:1216:A:LEU:HD22	9	0.23
(1,892)	1:1173:A:ARG:HB3	1:1216:A:LEU:HD23	9	0.23
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	8	0.23
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	8	0.23
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	8	0.23
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	15	0.23
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	5	0.23
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	17	0.23
(1,782)	1:1158:A:ASN:HA	1:1163:A:VAL:HA	15	0.23
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	6	0.23
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	6	0.23
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	11	0.23
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	16	0.23
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	5	0.23
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	5	0.23
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	5	0.23
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	9	0.23
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG21	19	0.23
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG22	19	0.23
(1,681)	1:1240:A:LEU:HA	1:1243:A:THR:HG23	19	0.23
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	2	0.23
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	15	0.23
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	15	0.23
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB2	13	0.23
(1,652)	1:1205:A:LYS:HA	1:1207:A:ASP:HB3	13	0.23
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	17	0.23
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	18	0.23
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	7	0.23
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	8	0.23
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	18	0.23
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	2	0.23
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	5	0.23
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	18	0.23
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	20	0.23
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	9	0.23
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	9	0.23
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	9	0.23
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	11	0.23
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	11	0.23
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	11	0.23
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	5	0.23
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	7	0.23
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	9	0.23
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	5	0.23
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	3	0.23
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	4	0.23
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	20	0.23
(1,100)	1:1218:A:GLN:H	1:1219:A:GLN:HB2	12	0.23
(1,100)	1:1218:A:GLN:H	1:1219:A:GLN:HB3	12	0.23
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	6	0.22
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	3	0.22
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	10	0.22
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	12	0.22
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	2	0.22
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	6	0.22
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	5	0.22
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	9	0.22
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	13	0.22
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	16	0.22
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	18	0.22
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	2	0.22
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	8	0.22
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	12	0.22
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	12	0.22
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	12	0.22
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	12	0.22
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	12	0.22
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	12	0.22
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	12	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD11	15	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD12	15	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD13	15	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD21	15	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD22	15	0.22
(1,1713)	1:1247:A:THR:HA	1:1248:A:LEU:HD23	15	0.22
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	18	0.22
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	18	0.22
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	18	0.22
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	18	0.22
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	18	0.22
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	18	0.22
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG2	17	0.22
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG3	17	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG11	11	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG12	11	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG13	11	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG21	11	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG22	11	0.22
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG23	11	0.22
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE21	18	0.22
(1,1638)	1:1233:A:LEU:HA	1:1237:A:GLN:HE22	18	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	5	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	17	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	17	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	17	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	17	0.22
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	17	0.22
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	1	0.22
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	1	0.22
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	13	0.22
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	13	0.22
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	18	0.22
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	18	0.22
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	14	0.22
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	14	0.22
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD2	20	0.22
(1,1480)	1:1201:A:LYS:H	1:1201:A:LYS:HD3	20	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	18	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	18	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	18	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	18	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	18	0.22
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	18	0.22
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	18	0.22
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	18	0.22
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	18	0.22
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	18	0.22
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	18	0.22
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	18	0.22
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	18	0.22
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	18	0.22
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	18	0.22
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	18	0.22
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	18	0.22
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	18	0.22
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	18	0.22
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	18	0.22
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD2	6	0.22
(1,1342)	1:1166:A:ASN:HD21	1:1169:A:LYS:HD3	6	0.22
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD2	6	0.22
(1,1342)	1:1166:A:ASN:HD22	1:1169:A:LYS:HD3	6	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	11	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	11	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	11	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	11	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	11	0.22
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	11	0.22
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	7	0.22
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	7	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	1	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	1	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	1	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	1	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	1	0.22
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	1	0.22
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG21	4	0.22
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG22	4	0.22
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG23	4	0.22
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	19	0.22
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	13	0.22
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	4	0.22
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	4	0.22
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	4	0.22
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	14	0.22
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	14	0.22
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	14	0.22
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD11	2	0.22
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD12	2	0.22
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD13	2	0.22
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG21	6	0.22
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG22	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG23	6	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG21	13	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG22	13	0.22
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG23	13	0.22
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG21	13	0.22
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG22	13	0.22
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG23	13	0.22
(1,1177)	1:1176:A:ILE:HD11	1:1217:A:MET:HG3	1	0.22
(1,1177)	1:1176:A:ILE:HD12	1:1217:A:MET:HG3	1	0.22
(1,1177)	1:1176:A:ILE:HD13	1:1217:A:MET:HG3	1	0.22
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	1	0.22
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	1	0.22
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	18	0.22
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	18	0.22
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	18	0.22
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	5	0.22
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	18	0.22
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	1	0.22
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	1	0.22
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	3	0.22
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD21	15	0.22
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD22	15	0.22
(1,929)	1:1201:A:LYS:H	1:1203:A:LEU:HD23	15	0.22
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	13	0.22
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	13	0.22
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	13	0.22
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	13	0.22
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	10	0.22
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	10	0.22
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	2	0.22
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	2	0.22
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	2	0.22
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	8	0.22
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	8	0.22
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	8	0.22
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	3	0.22
(1,750)	1:1178:A:THR:HA	1:1179:A:ILE:HD11	10	0.22
(1,750)	1:1178:A:THR:HA	1:1179:A:ILE:HD12	10	0.22
(1,750)	1:1178:A:THR:HA	1:1179:A:ILE:HD13	10	0.22
(1,749)	1:1177:A:THR:HA	1:1216:A:LEU:HB3	4	0.22
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	8	0.22
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	13	0.22
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	14	0.22
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	15	0.22
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE2	13	0.22
(1,655)	1:1208:A:LEU:HA	1:1211:A:LYS:HE3	13	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	4	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	4	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	4	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	10	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	10	0.22
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	10	0.22
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	1	0.22
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	13	0.22
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	13	0.22
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	13	0.22
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE1	8	0.22
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE2	8	0.22
(1,473)	1:1183:A:MET:HA	1:1183:A:MET:HE3	8	0.22
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	8	0.22
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	15	0.22
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	17	0.22
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	4	0.22
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	3	0.22
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	3	0.22
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	3	0.22
(1,360)	1:1163:A:VAL:H	1:1163:A:VAL:HB	6	0.22
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	2	0.22
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	16	0.22
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	7	0.22
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	14	0.22
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	15	0.22
(1,213)	1:1209:A:VAL:HB	1:1210:A:ILE:H	5	0.22
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	1	0.22
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	9	0.22
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	9	0.22
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	9	0.22
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	12	0.22
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	14	0.22
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	15	0.22
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	17	0.22
(1,159)	1:1184:A:GLU:HB3	1:1186:A:ASP:H	4	0.22
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	1	0.22
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	1	0.22
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	10	0.22
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	18	0.22
(1,96)	1:1197:A:LEU:HD21	1:1206:A:LEU:H	4	0.22
(1,96)	1:1197:A:LEU:HD22	1:1206:A:LEU:H	4	0.22
(1,96)	1:1197:A:LEU:HD23	1:1206:A:LEU:H	4	0.22
(1,56)	1:1241:A:GLN:HA	1:1241:A:GLN:HE22	14	0.22
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	9	0.21
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	10	0.21
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	15	0.21
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	16	0.21
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	13	0.21
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	1	0.21
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	4	0.21
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	16	0.21
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	17	0.21
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	2	0.21
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	15	0.21
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	1	0.21
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	18	0.21
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	5	0.21
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	9	0.21
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	2	0.21
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	11	0.21
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	14	0.21
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	11	0.21
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	13	0.21
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	8	0.21
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	2	0.21
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	5	0.21
(1,1672)	1:1237:A:GLN:HE21	1:1247:A:THR:HA	11	0.21
(1,1672)	1:1237:A:GLN:HE22	1:1247:A:THR:HA	11	0.21
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	3	0.21
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	3	0.21
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	3	0.21
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	3	0.21
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	3	0.21
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	3	0.21
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD21	20	0.21
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD22	20	0.21
(1,1560)	1:1215:A:ARG:HD2	1:1216:A:LEU:HD23	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD21	20	0.21
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD22	20	0.21
(1,1560)	1:1215:A:ARG:HD3	1:1216:A:LEU:HD23	20	0.21
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	6	0.21
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	6	0.21
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	7	0.21
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	7	0.21
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	4	0.21
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	4	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG11	13	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG12	13	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG13	13	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG21	13	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG22	13	0.21
(1,1537)	1:1211:A:LYS:HG2	1:1250:A:VAL:HG23	13	0.21
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE2	14	0.21
(1,1536)	1:1211:A:LYS:HA	1:1214:A:LYS:HE3	14	0.21
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	18	0.21
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	18	0.21
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	18	0.21
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	18	0.21
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	18	0.21
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	18	0.21
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	18	0.21
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	18	0.21
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	13	0.21
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	13	0.21
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	13	0.21
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	13	0.21
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	13	0.21
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	13	0.21
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	9	0.21
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	9	0.21
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	9	0.21
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	9	0.21
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	9	0.21
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	4	0.21
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	4	0.21
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	4	0.21
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	4	0.21
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	4	0.21
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	4	0.21
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	4	0.21
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	4	0.21
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	15	0.21
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	15	0.21
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	15	0.21
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	15	0.21
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	15	0.21
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	15	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	2	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	2	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	2	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	2	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	2	0.21
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	2	0.21
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	17	0.21
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	17	0.21
(1,1328)	1:1164:A:GLU:HB2	1:1166:A:ASN:HB2	9	0.21
(1,1328)	1:1164:A:GLU:HB3	1:1166:A:ASN:HB2	9	0.21
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG21	4	0.21
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG22	4	0.21
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG23	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	7	0.21
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	7	0.21
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	7	0.21
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG21	3	0.21
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG22	3	0.21
(1,1221)	1:1248:A:LEU:HB2	1:1250:A:VAL:HG23	3	0.21
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG21	3	0.21
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG22	3	0.21
(1,1221)	1:1248:A:LEU:HB3	1:1250:A:VAL:HG23	3	0.21
(1,1084)	1:1204:A:GLU:HG3	1:1205:A:LYS:H	16	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	4	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	4	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	4	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	5	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	5	0.21
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	5	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	1	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	1	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	1	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	1	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	1	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	1	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	1	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	1	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	1	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	20	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	20	0.21
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	20	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	20	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	20	0.21
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	20	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	20	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	20	0.21
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	20	0.21
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	5	0.21
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	12	0.21
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	3	0.21
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	3	0.21
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	3	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	8	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	8	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	17	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	17	0.21
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	17	0.21
(1,875)	1:1249:A:LYS:HD2	1:1250:A:VAL:H	15	0.21
(1,875)	1:1249:A:LYS:HD3	1:1250:A:VAL:H	15	0.21
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	18	0.21
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	16	0.21
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	16	0.21
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	16	0.21
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	5	0.21
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	5	0.21
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	5	0.21
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	15	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	12	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	12	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	12	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	18	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	18	0.21
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	18	0.21
(1,647)	1:1198:A:ILE:HA	1:1203:A:LEU:HG	19	0.21
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG21	16	0.21
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG22	16	0.21
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG23	16	0.21
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	18	0.21
(1,566)	1:1167:A:ASP:HA	1:1170:A:THR:HB	13	0.21
(1,507)	1:1251:A:THR:HA	1:1251:A:THR:HB	14	0.21
(1,471)	1:1244:A:TYR:HA	1:1244:A:TYR:HD1	1	0.21
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG2	12	0.21
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG3	12	0.21
(1,437)	1:1170:A:THR:HA	1:1171:A:LEU:HB2	3	0.21
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	6	0.21
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	3	0.21
(1,397)	1:1244:A:TYR:HB2	1:1244:A:TYR:HD1	11	0.21
(1,366)	1:1250:A:VAL:H	1:1251:A:THR:H	1	0.21
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	18	0.21
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	18	0.21
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	18	0.21
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	7	0.21
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	7	0.21
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	7	0.21
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	12	0.21
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	9	0.21
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	13	0.21
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	13	0.21
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	2	0.21
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	2	0.21
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	2	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	10	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	10	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	11	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	11	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	15	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	15	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	20	0.21
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	20	0.21
(1,89)	1:1187:A:ILE:HG21	1:1232:A:ILE:H	19	0.21
(1,89)	1:1187:A:ILE:HG22	1:1232:A:ILE:H	19	0.21
(1,89)	1:1187:A:ILE:HG23	1:1232:A:ILE:H	19	0.21
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	4	0.21
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	7	0.2
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	12	0.2
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	15	0.2
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	2	0.2
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	1	0.2
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	6	0.2
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	16	0.2
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	4	0.2
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	6	0.2
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	11	0.2
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	14	0.2
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	3	0.2
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	12	0.2
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	16	0.2
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	13	0.2
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	19	0.2
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	20	0.2
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	1	0.2
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	3	0.2
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	14	0.2
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	16	0.2
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	10	0.2
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	14	0.2
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	12	0.2
(1,1739)	1:1205:A:LYS:H	1:1205:A:LYS:HE2	6	0.2
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	11	0.2
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	11	0.2
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	11	0.2
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	11	0.2
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	11	0.2
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	11	0.2
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	11	0.2
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG2	5	0.2
(1,1664)	1:1237:A:GLN:H	1:1237:A:GLN:HG3	5	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	11	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	16	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	16	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	16	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	16	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	16	0.2
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	16	0.2
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG2	16	0.2
(1,1552)	1:1214:A:LYS:H	1:1217:A:MET:HG3	16	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD11	14	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD12	14	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD13	14	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD21	14	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD22	14	0.2
(1,1550)	1:1213:A:MET:HE1	1:1233:A:LEU:HD23	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD11	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD12	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD13	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD21	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD22	14	0.2
(1,1550)	1:1213:A:MET:HE2	1:1233:A:LEU:HD23	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD11	14	0.2
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD12	14	0.2
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD13	14	0.2
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD21	14	0.2
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD22	14	0.2
(1,1550)	1:1213:A:MET:HE3	1:1233:A:LEU:HD23	14	0.2
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB2	7	0.2
(1,1506)	1:1205:A:LYS:HD2	1:1208:A:LEU:HB3	7	0.2
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB2	7	0.2
(1,1506)	1:1205:A:LYS:HD3	1:1208:A:LEU:HB3	7	0.2
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	17	0.2
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	17	0.2
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	17	0.2
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	17	0.2
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	17	0.2
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	17	0.2
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	13	0.2
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	13	0.2
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	13	0.2
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	13	0.2
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	13	0.2
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	13	0.2
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	13	0.2
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	13	0.2
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	3	0.2
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	3	0.2
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	3	0.2
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	3	0.2
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	3	0.2
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	3	0.2
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	11	0.2
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	11	0.2
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	11	0.2
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	11	0.2
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	11	0.2
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD11	5	0.2
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD12	5	0.2
(1,1404)	1:1184:A:GLU:HG2	1:1187:A:ILE:HD13	5	0.2
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD11	5	0.2
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD12	5	0.2
(1,1404)	1:1184:A:GLU:HG3	1:1187:A:ILE:HD13	5	0.2
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	4	0.2
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	4	0.2
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	4	0.2
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	4	0.2
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	4	0.2
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	4	0.2
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	4	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	12	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	12	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	12	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	12	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	12	0.2
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	12	0.2
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	5	0.2
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	5	0.2
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	1	0.2
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	1	0.2
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	1	0.2
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	20	0.2
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD11	9	0.2
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD12	9	0.2
(1,1240)	1:1184:A:GLU:HB3	1:1187:A:ILE:HD13	9	0.2
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	9	0.2
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	9	0.2
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	9	0.2
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	20	0.2
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	20	0.2
(1,1060)	1:1198:A:ILE:HD11	1:1240:A:LEU:HB2	1	0.2
(1,1060)	1:1198:A:ILE:HD12	1:1240:A:LEU:HB2	1	0.2
(1,1060)	1:1198:A:ILE:HD13	1:1240:A:LEU:HB2	1	0.2
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	11	0.2
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	15	0.2
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG21	16	0.2
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG22	16	0.2
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG23	16	0.2
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	8	0.2
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	8	0.2
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	8	0.2
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	16	0.2
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	16	0.2
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	16	0.2
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	12	0.2
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	12	0.2
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	12	0.2
(1,869)	1:1227:A:MET:HG2	1:1228:A:ALA:H	4	0.2
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	1	0.2
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	10	0.2
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	10	0.2
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	18	0.2
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	8	0.2
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	10	0.2
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	17	0.2
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	18	0.2
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	18	0.2
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	18	0.2
(1,627)	1:1211:A:LYS:HA	1:1214:A:LYS:H	9	0.2
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD21	15	0.2
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD22	15	0.2
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD23	15	0.2
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	6	0.2
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	10	0.2
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	4	0.2
(1,566)	1:1167:A:ASP:HA	1:1170:A:THR:HB	8	0.2
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	18	0.2
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	18	0.2
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	18	0.2
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	17	0.2
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG2	18	0.2
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG3	18	0.2
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	3	0.2
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	9	0.2
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	3	0.2
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	9	0.2
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	15	0.2
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	7	0.2
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	16	0.2
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	18	0.2
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	5	0.19
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	19	0.19
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	13	0.19
(2,75)	1:1233:A:LEU:O	1:1237:A:GLN:H	7	0.19
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	11	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	2	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	8	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	11	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	13	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	16	0.19
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	17	0.19
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	14	0.19
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	1	0.19
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	3	0.19
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	20	0.19
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	5	0.19
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	9	0.19
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	18	0.19
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	19	0.19
(2,48)	1:1210:A:ILE:O	1:1214:A:LYS:N	1	0.19
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	6	0.19
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	11	0.19
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	10	0.19
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	16	0.19
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	14	0.19
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	6	0.19
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	16	0.19
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	17	0.19
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	13	0.19
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	2	0.19
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	10	0.19
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	14	0.19
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	5	0.19
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	14	0.19
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	18	0.19
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	4	0.19
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	7	0.19
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	17	0.19
(2,16)	1:1195:A:THR:O	1:1199:A:GLU:N	4	0.19
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	1	0.19
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	7	0.19
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	17	0.19
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	4	0.19
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	12	0.19
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	4	0.19
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	8	0.19
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	8	0.19
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	13	0.19
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	13	0.19
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	15	0.19
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	15	0.19
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	15	0.19
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	15	0.19
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	15	0.19
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	15	0.19
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB2	14	0.19
(1,1675)	1:1237:A:GLN:HE21	1:1248:A:LEU:HB3	14	0.19
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB2	14	0.19
(1,1675)	1:1237:A:GLN:HE22	1:1248:A:LEU:HB3	14	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	15	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	15	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	15	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	15	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	15	0.19
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	15	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG11	1	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG12	1	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG13	1	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG21	1	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG22	1	0.19
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG23	1	0.19
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD11	5	0.19
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD12	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD13	5	0.19
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD21	5	0.19
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD22	5	0.19
(1,1632)	1:1232:A:ILE:HB	1:1233:A:LEU:HD23	5	0.19
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	17	0.19
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	17	0.19
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	17	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	17	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	17	0.19
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	17	0.19
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	9	0.19
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	9	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	12	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	12	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	12	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	12	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	12	0.19
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	12	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	2	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	2	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	2	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	2	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	2	0.19
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	2	0.19
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE21	15	0.19
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE22	15	0.19
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE21	15	0.19
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE22	15	0.19
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE21	15	0.19
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE22	15	0.19
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB2	8	0.19
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB3	8	0.19
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	18	0.19
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	18	0.19
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	18	0.19
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG2	12	0.19
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG3	12	0.19
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD11	16	0.19
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD12	16	0.19
(1,1161)	1:1205:A:LYS:HG2	1:1208:A:LEU:HD13	16	0.19
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD11	16	0.19
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD12	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:1205:A:LYS:HG3	1:1208:A:LEU:HD13	16	0.19
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	17	0.19
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	17	0.19
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	17	0.19
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	17	0.19
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	17	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	10	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	10	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	10	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	10	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	10	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	10	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	10	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	10	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	10	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	14	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	14	0.19
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	14	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	14	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	14	0.19
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	14	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	14	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	14	0.19
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	14	0.19
(1,1042)	1:1195:A:THR:HG21	1:1239:A:VAL:HB	4	0.19
(1,1042)	1:1195:A:THR:HG22	1:1239:A:VAL:HB	4	0.19
(1,1042)	1:1195:A:THR:HG23	1:1239:A:VAL:HB	4	0.19
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	11	0.19
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	11	0.19
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	11	0.19
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	14	0.19
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	10	0.19
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	10	0.19
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	10	0.19
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	19	0.19
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	19	0.19
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	19	0.19
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	7	0.19
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	7	0.19
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	7	0.19
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	6	0.19
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	20	0.19
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	12	0.19
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	12	0.19
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	12	0.19
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	6	0.19
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	6	0.19
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	6	0.19
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	9	0.19
(1,741)	1:1246:A:SER:HA	1:1247:A:THR:HG21	15	0.19
(1,741)	1:1246:A:SER:HA	1:1247:A:THR:HG22	15	0.19
(1,741)	1:1246:A:SER:HA	1:1247:A:THR:HG23	15	0.19
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	17	0.19
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	17	0.19
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	17	0.19
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	4	0.19
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	9	0.19
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	18	0.19
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	5	0.19
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	5	0.19
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	5	0.19
(1,649)	1:1210:A:ILE:HA	1:1213:A:MET:H	6	0.19
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	17	0.19
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	17	0.19
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	17	0.19
(1,627)	1:1211:A:LYS:HA	1:1214:A:LYS:H	10	0.19
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	11	0.19
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	7	0.19
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	7	0.19
(1,431)	1:1241:A:GLN:HA	1:1241:A:GLN:HG2	19	0.19
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	19	0.19
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE1	19	0.19
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE2	19	0.19
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE3	19	0.19
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	11	0.19
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	15	0.19
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	15	0.19
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	15	0.19
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	17	0.19
(1,214)	1:1210:A:ILE:H	1:1213:A:MET:HE1	5	0.19
(1,214)	1:1210:A:ILE:H	1:1213:A:MET:HE2	5	0.19
(1,214)	1:1210:A:ILE:H	1:1213:A:MET:HE3	5	0.19
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	1	0.19
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	1	0.19
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	9	0.19
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	11	0.19
(1,159)	1:1184:A:GLU:HB3	1:1186:A:ASP:H	12	0.19
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	12	0.19
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	2	0.19
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	2	0.19
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	18	0.19
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	18	0.19
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	18	0.18
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	2	0.18
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	17	0.18
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	5	0.18
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	13	0.18
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	2	0.18
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	3	0.18
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	5	0.18
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	12	0.18
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	15	0.18
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	17	0.18
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	2	0.18
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	7	0.18
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	16	0.18
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	17	0.18
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	7	0.18
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	18	0.18
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	20	0.18
(2,28)	1:1170:A:THR:O	1:1174:A:GLU:N	16	0.18
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	15	0.18
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	20	0.18
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	19	0.18
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	8	0.18
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	10	0.18
(2,16)	1:1195:A:THR:O	1:1199:A:GLU:N	5	0.18
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	1	0.18
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	3	0.18
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	6	0.18
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	15	0.18
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	20	0.18
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	7	0.18
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG21	7	0.18
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG22	7	0.18
(1,1734)	1:1175:A:TRP:HZ2	1:1179:A:ILE:HG23	7	0.18
(1,1699)	1:1240:A:LEU:HD11	1:1244:A:TYR:HA	15	0.18
(1,1699)	1:1240:A:LEU:HD12	1:1244:A:TYR:HA	15	0.18
(1,1699)	1:1240:A:LEU:HD13	1:1244:A:TYR:HA	15	0.18
(1,1699)	1:1240:A:LEU:HD21	1:1244:A:TYR:HA	15	0.18
(1,1699)	1:1240:A:LEU:HD22	1:1244:A:TYR:HA	15	0.18
(1,1699)	1:1240:A:LEU:HD23	1:1244:A:TYR:HA	15	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG11	9	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG12	9	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG13	9	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG21	9	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG22	9	0.18
(1,1676)	1:1237:A:GLN:HE21	1:1250:A:VAL:HG23	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG11	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG12	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG13	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG21	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG22	9	0.18
(1,1676)	1:1237:A:GLN:HE22	1:1250:A:VAL:HG23	9	0.18
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG2	5	0.18
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG3	5	0.18
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG2	7	0.18
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG3	7	0.18
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	14	0.18
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	14	0.18
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	14	0.18
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	14	0.18
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	14	0.18
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	14	0.18
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	16	0.18
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	16	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD11	5	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD12	5	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD13	5	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD21	5	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD22	5	0.18
(1,1547)	1:1213:A:MET:HB3	1:1233:A:LEU:HD23	5	0.18
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD11	11	0.18
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD12	11	0.18
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD13	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD21	11	0.18
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD22	11	0.18
(1,1544)	1:1213:A:MET:H	1:1233:A:LEU:HD23	11	0.18
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	13	0.18
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	13	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	4	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	4	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	4	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	4	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	4	0.18
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	4	0.18
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	4	0.18
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	4	0.18
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	4	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	13	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	13	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	13	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	13	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	13	0.18
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	13	0.18
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD21	6	0.18
(1,1338)	1:1166:A:ASN:HA	1:1166:A:ASN:HD22	6	0.18
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	11	0.18
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	11	0.18
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	11	0.18
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	11	0.18
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	11	0.18
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	13	0.18
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	13	0.18
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	13	0.18
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	13	0.18
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	13	0.18
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	13	0.18
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	13	0.18
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	13	0.18
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	13	0.18
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG21	20	0.18
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG22	20	0.18
(1,1151)	1:1207:A:ASP:HA	1:1210:A:ILE:HG23	20	0.18
(1,1149)	1:1210:A:ILE:HG21	1:1250:A:VAL:HB	7	0.18
(1,1149)	1:1210:A:ILE:HG22	1:1250:A:VAL:HB	7	0.18
(1,1149)	1:1210:A:ILE:HG23	1:1250:A:VAL:HB	7	0.18
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD11	3	0.18
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD12	3	0.18
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD13	3	0.18
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	2	0.18
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	2	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	7	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	7	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	7	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	9	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	9	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	9	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	16	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	16	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	16	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	19	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	19	0.18
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	19	0.18
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	15	0.18
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	15	0.18
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	15	0.18
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	9	0.18
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	17	0.18
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	13	0.18
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	13	0.18
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	18	0.18
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	14	0.18
(1,989)	1:1187:A:ILE:HB	1:1188:A:LEU:HB3	18	0.18
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	11	0.18
(1,959)	1:1227:A:MET:HG3	1:1228:A:ALA:H	12	0.18
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	1	0.18
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	1	0.18
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	1	0.18
(1,841)	1:1248:A:LEU:HA	1:1248:A:LEU:HD21	5	0.18
(1,841)	1:1248:A:LEU:HA	1:1248:A:LEU:HD22	5	0.18
(1,841)	1:1248:A:LEU:HA	1:1248:A:LEU:HD23	5	0.18
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD21	8	0.18
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD22	8	0.18
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD23	8	0.18
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	2	0.18
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	2	0.18
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	2	0.18
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	16	0.18
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	8	0.18
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	9	0.18
(1,785)	1:1195:A:THR:HG21	1:1236:A:VAL:HA	5	0.18
(1,785)	1:1195:A:THR:HG22	1:1236:A:VAL:HA	5	0.18
(1,785)	1:1195:A:THR:HG23	1:1236:A:VAL:HA	5	0.18
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	13	0.18
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	13	0.18
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	13	0.18
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	10	0.18
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	11	0.18
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	10	0.18
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	10	0.18
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	10	0.18
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG21	1	0.18
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG22	1	0.18
(1,624)	1:1201:A:LYS:HA	1:1243:A:THR:HG23	1	0.18
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	12	0.18
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	14	0.18
(1,572)	1:1207:A:ASP:HA	1:1210:A:ILE:HB	19	0.18
(1,566)	1:1167:A:ASP:HA	1:1170:A:THR:HB	18	0.18
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD11	16	0.18
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD12	16	0.18
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD13	16	0.18
(1,526)	1:1168:A:VAL:HA	1:1171:A:LEU:HB2	3	0.18
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	17	0.18
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG2	11	0.18
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG3	11	0.18
(1,401)	1:1169:A:LYS:HB3	1:1212:A:TYR:HE1	6	0.18
(1,385)	1:1187:A:ILE:HG21	1:1231:A:PHE:H	10	0.18
(1,385)	1:1187:A:ILE:HG22	1:1231:A:PHE:H	10	0.18
(1,385)	1:1187:A:ILE:HG23	1:1231:A:PHE:H	10	0.18
(1,362)	1:1238:A:VAL:H	1:1241:A:GLN:HG3	6	0.18
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	10	0.18
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	10	0.18
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	10	0.18
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	19	0.18
(1,270)	1:1170:A:THR:H	1:1171:A:LEU:HB2	12	0.18
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	3	0.18
(1,249)	1:1158:A:ASN:HA	1:1159:A:LEU:H	15	0.18
(1,211)	1:1187:A:ILE:H	1:1188:A:LEU:HG	14	0.18
(1,193)	1:1163:A:VAL:HB	1:1164:A:GLU:H	6	0.18
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	3	0.18
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	15	0.18
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	19	0.18
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	13	0.18
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	13	0.18
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	1	0.18
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	2	0.18
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	12	0.18
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	3	0.17
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	8	0.17
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	8	0.17
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	10	0.17
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	3	0.17
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	14	0.17
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	1	0.17
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	3	0.17
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	14	0.17
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	20	0.17
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	1	0.17
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	2	0.17
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	12	0.17
(2,61)	1:1224:A:VAL:O	1:1228:A:ALA:H	4	0.17
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	13	0.17
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	12	0.17
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	17	0.17
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	5	0.17
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	15	0.17
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	2	0.17
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	7	0.17
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	9	0.17
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	13	0.17
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	18	0.17
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	8	0.17
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	8	0.17
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	19	0.17
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	4	0.17
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	20	0.17
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	16	0.17
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	6	0.17
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	11	0.17
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	12	0.17
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	10	0.17
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	5	0.17
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	7	0.17
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	16	0.17
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	9	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG11	15	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG12	15	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG13	15	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG21	15	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG22	15	0.17
(1,1730)	1:1249:A:LYS:HG2	1:1250:A:VAL:HG23	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG11	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG12	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG13	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG21	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG22	15	0.17
(1,1730)	1:1249:A:LYS:HG3	1:1250:A:VAL:HG23	15	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG11	12	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG12	12	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG13	12	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG21	12	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG22	12	0.17
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG23	12	0.17
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	2	0.17
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	10	0.17
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	10	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	13	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	13	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	13	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	13	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	13	0.17
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	13	0.17
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD11	9	0.17
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD12	9	0.17
(1,1504)	1:1205:A:LYS:HB2	1:1208:A:LEU:HD13	9	0.17
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD11	9	0.17
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD12	9	0.17
(1,1504)	1:1205:A:LYS:HB3	1:1208:A:LEU:HD13	9	0.17
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD2	14	0.17
(1,1482)	1:1201:A:LYS:HA	1:1201:A:LYS:HD3	14	0.17
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	12	0.17
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	12	0.17
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	12	0.17
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	12	0.17
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	12	0.17
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	12	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	2	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	2	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	2	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	2	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	2	0.17
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	2	0.17
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	9	0.17
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	9	0.17
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	9	0.17
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	9	0.17
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	9	0.17
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	9	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	6	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	18	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	18	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	18	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	18	0.17
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	18	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	7	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	7	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	7	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	7	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	7	0.17
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	7	0.17
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	9	0.17
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	9	0.17
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG11	1:1164:A:GLU:HG3	11	0.17
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG12	1:1164:A:GLU:HG3	11	0.17
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG13	1:1164:A:GLU:HG3	11	0.17
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG21	1:1164:A:GLU:HG3	11	0.17
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG22	1:1164:A:GLU:HG3	11	0.17
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG2	11	0.17
(1,1322)	1:1163:A:VAL:HG23	1:1164:A:GLU:HG3	11	0.17
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB2	18	0.17
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB3	18	0.17
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB2	18	0.17
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB3	18	0.17
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB2	18	0.17
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB3	18	0.17
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	14	0.17
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG21	5	0.17
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG22	5	0.17
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG23	5	0.17
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	13	0.17
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	13	0.17
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	13	0.17
(1,1125)	1:1211:A:LYS:H	1:1250:A:VAL:HB	5	0.17
(1,1114)	1:1188:A:LEU:HA	1:1191:A:VAL:HG11	10	0.17
(1,1114)	1:1188:A:LEU:HA	1:1191:A:VAL:HG12	10	0.17
(1,1114)	1:1188:A:LEU:HA	1:1191:A:VAL:HG13	10	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	1	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	1	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	2	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	2	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	2	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	3	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	3	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	3	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	14	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	14	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	14	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	17	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	17	0.17
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	17	0.17
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	9	0.17
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	9	0.17
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	18	0.17
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	18	0.17
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	18	0.17
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	18	0.17
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	18	0.17
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	18	0.17
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	11	0.17
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	11	0.17
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG11	7	0.17
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG12	7	0.17
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG13	7	0.17
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD11	4	0.17
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD12	4	0.17
(1,965)	1:1205:A:LYS:HE2	1:1208:A:LEU:HD13	4	0.17
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	13	0.17
(1,926)	1:1203:A:LEU:HD21	1:1244:A:TYR:HE1	15	0.17
(1,926)	1:1203:A:LEU:HD22	1:1244:A:TYR:HE1	15	0.17
(1,926)	1:1203:A:LEU:HD23	1:1244:A:TYR:HE1	15	0.17
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD11	2	0.17
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD12	2	0.17
(1,919)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD13	2	0.17
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD11	2	0.17
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD12	2	0.17
(1,919)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD13	2	0.17
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	4	0.17
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	10	0.17
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	10	0.17
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	12	0.17
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	12	0.17
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	12	0.17
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	19	0.17
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	19	0.17
(1,815)	1:1237:A:GLN:HB3	1:1247:A:THR:HB	1	0.17
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	2	0.17
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	4	0.17
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	14	0.17
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	3	0.17
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	3	0.17
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	3	0.17
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	4	0.17
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	4	0.17
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	4	0.17
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	7	0.17
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	14	0.17
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	14	0.17
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	14	0.17
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	4	0.17
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	4	0.17
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	4	0.17
(1,692)	1:1213:A:MET:HA	1:1216:A:LEU:HG	2	0.17
(1,633)	1:1214:A:LYS:HA	1:1217:A:MET:HG2	14	0.17
(1,604)	1:1198:A:ILE:HA	1:1203:A:LEU:HA	17	0.17
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	15	0.17
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	19	0.17
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	19	0.17
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	1	0.17
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	1	0.17
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	1	0.17
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	6	0.17
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	16	0.17
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	19	0.17
(1,405)	1:1203:A:LEU:HG	1:1244:A:TYR:HE1	14	0.17
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	14	0.17
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	4	0.17
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	19	0.17
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	1	0.17
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	1	0.17
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	7	0.17
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	7	0.17
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	7	0.17
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	13	0.17
(1,164)	1:1202:A:ASP:H	1:1203:A:LEU:H	5	0.17
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	7	0.17
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	16	0.17
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	16	0.17
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	4	0.16
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	3	0.16
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	15	0.16
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	2	0.16
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	18	0.16
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	1	0.16
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	10	0.16
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	11	0.16
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	14	0.16
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	19	0.16
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	10	0.16
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	11	0.16
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	14	0.16
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	4	0.16
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	5	0.16
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	11	0.16
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	6	0.16
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	11	0.16
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	3	0.16
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	6	0.16
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	7	0.16
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	10	0.16
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	10	0.16
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	18	0.16
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	2	0.16
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	8	0.16
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	12	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	3	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	7	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	9	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	10	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	11	0.16
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	2	0.16
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	15	0.16
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	2	0.16
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	4	0.16
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	8	0.16
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD11	1:1249:A:LYS:HD3	15	0.16
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD12	1:1249:A:LYS:HD3	15	0.16
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD13	1:1249:A:LYS:HD3	15	0.16
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD21	1:1249:A:LYS:HD3	15	0.16
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD22	1:1249:A:LYS:HD3	15	0.16
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD2	15	0.16
(1,1721)	1:1248:A:LEU:HD23	1:1249:A:LYS:HD3	15	0.16
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD11	1:1248:A:LEU:HB3	4	0.16
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD12	1:1248:A:LEU:HB3	4	0.16
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD13	1:1248:A:LEU:HB3	4	0.16
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD21	1:1248:A:LEU:HB3	4	0.16
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD22	1:1248:A:LEU:HB3	4	0.16
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB2	4	0.16
(1,1707)	1:1240:A:LEU:HD23	1:1248:A:LEU:HB3	4	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	18	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	18	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	18	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	18	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	18	0.16
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	18	0.16
(1,1590)	1:1222:A:GLU:HB2	1:1223:A:SER:H	15	0.16
(1,1590)	1:1222:A:GLU:HB3	1:1223:A:SER:H	15	0.16
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	9	0.16
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	9	0.16
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	9	0.16
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	9	0.16
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	9	0.16
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	9	0.16
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	9	0.16
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	9	0.16
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	9	0.16
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	9	0.16
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	9	0.16
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	9	0.16
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	19	0.16
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	19	0.16
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	19	0.16
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	19	0.16
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	19	0.16
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	19	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG11	12	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG12	12	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG13	12	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG21	12	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG22	12	0.16
(1,1452)	1:1195:A:THR:HA	1:1239:A:VAL:HG23	12	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD11	13	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD12	13	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD13	13	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD21	13	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD22	13	0.16
(1,1446)	1:1194:A:CYS:HA	1:1206:A:LEU:HD23	13	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	9	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	9	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	9	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	9	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	9	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	9	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	9	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	15	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	15	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	15	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	15	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	15	0.16
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	15	0.16
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	15	0.16
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	15	0.16
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	2	0.16
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	2	0.16
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	15	0.16
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	15	0.16
(1,1367)	1:1169:A:LYS:HD2	1:1212:A:TYR:HE1	18	0.16
(1,1367)	1:1169:A:LYS:HD3	1:1212:A:TYR:HE1	18	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	7	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	16	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	16	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	16	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	16	0.16
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	16	0.16
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB2	8	0.16
(1,1313)	1:1162:A:ALA:HB1	1:1167:A:ASP:HB3	8	0.16
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB2	8	0.16
(1,1313)	1:1162:A:ALA:HB2	1:1167:A:ASP:HB3	8	0.16
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB2	8	0.16
(1,1313)	1:1162:A:ALA:HB3	1:1167:A:ASP:HB3	8	0.16
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB2	5	0.16
(1,1312)	1:1162:A:ALA:HB1	1:1164:A:GLU:HB3	5	0.16
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB2	5	0.16
(1,1312)	1:1162:A:ALA:HB2	1:1164:A:GLU:HB3	5	0.16
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB2	5	0.16
(1,1312)	1:1162:A:ALA:HB3	1:1164:A:GLU:HB3	5	0.16
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB2	9	0.16
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB3	9	0.16
(1,1278)	1:1211:A:LYS:HB2	1:1250:A:VAL:HB	20	0.16
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB2	20	0.16
(1,1251)	1:1179:A:ILE:HG21	1:1182:A:PRO:HB3	20	0.16
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB2	20	0.16
(1,1251)	1:1179:A:ILE:HG22	1:1182:A:PRO:HB3	20	0.16
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB2	20	0.16
(1,1251)	1:1179:A:ILE:HG23	1:1182:A:PRO:HB3	20	0.16
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	15	0.16
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	15	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	10	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	10	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	10	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	13	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	13	0.16
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	13	0.16
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	13	0.16
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	13	0.16
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	13	0.16
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	13	0.16
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	13	0.16
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	13	0.16
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	13	0.16
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	13	0.16
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	13	0.16
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	2	0.16
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	2	0.16
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	18	0.16
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG21	11	0.16
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG22	11	0.16
(1,978)	1:1195:A:THR:HA	1:1239:A:VAL:HG23	11	0.16
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	16	0.16
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	16	0.16
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	16	0.16
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	16	0.16
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	16	0.16
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	16	0.16
(1,875)	1:1249:A:LYS:HD2	1:1250:A:VAL:H	11	0.16
(1,875)	1:1249:A:LYS:HD3	1:1250:A:VAL:H	11	0.16
(1,854)	1:1226:A:ASN:HB2	1:1227:A:MET:HG3	6	0.16
(1,854)	1:1226:A:ASN:HB3	1:1227:A:MET:HG3	6	0.16
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	9	0.16
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	9	0.16
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	9	0.16
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	1	0.16
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	5	0.16
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	9	0.16
(1,789)	1:1249:A:LYS:HD2	1:1250:A:VAL:HA	4	0.16
(1,789)	1:1249:A:LYS:HD3	1:1250:A:VAL:HA	4	0.16
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	18	0.16
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	18	0.16
(1,777)	1:1209:A:VAL:HA	1:1212:A:TYR:H	14	0.16
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	11	0.16
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	11	0.16
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	11	0.16
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	16	0.16
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	6	0.16
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	6	0.16
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	6	0.16
(1,640)	1:1203:A:LEU:HB2	1:1204:A:GLU:HA	3	0.16
(1,627)	1:1211:A:LYS:HA	1:1214:A:LYS:H	17	0.16
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD11	18	0.16
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD12	18	0.16
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD13	18	0.16
(1,536)	1:1250:A:VAL:HA	1:1250:A:VAL:HB	18	0.16
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	13	0.16
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	17	0.16
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	4	0.16
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	9	0.16
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	9	0.16
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	9	0.16
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	9	0.16
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	9	0.16
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	9	0.16
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	6	0.16
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	6	0.16
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	6	0.16
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	6	0.16
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	6	0.16
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	6	0.16
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	5	0.16
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	6	0.16
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	11	0.16
(1,240)	1:1214:A:LYS:H	1:1215:A:ARG:HB2	9	0.16
(1,240)	1:1214:A:LYS:H	1:1215:A:ARG:HB3	9	0.16
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	3	0.16
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	3	0.16
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	3	0.16
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	6	0.16
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	6	0.16
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	6	0.16
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	14	0.16
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	14	0.16
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	14	0.16
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	13	0.16
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	15	0.16
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	16	0.16
(1,58)	1:1205:A:LYS:HG2	1:1209:A:VAL:H	17	0.16
(1,58)	1:1205:A:LYS:HG3	1:1209:A:VAL:H	17	0.16
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	4	0.15
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	15	0.15
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	19	0.15
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	5	0.15
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	1	0.15
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	11	0.15
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	14	0.15
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	3	0.15
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	8	0.15
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	12	0.15
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:1233:A:LEU:O	1:1237:A:GLN:H	17	0.15
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	11	0.15
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	13	0.15
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	1	0.15
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	9	0.15
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	20	0.15
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	3	0.15
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	12	0.15
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	19	0.15
(2,69)	1:1230:A:ASP:O	1:1234:A:ASP:H	18	0.15
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	9	0.15
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	16	0.15
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	20	0.15
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	1	0.15
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	15	0.15
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	19	0.15
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	12	0.15
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	6	0.15
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	9	0.15
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	19	0.15
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	2	0.15
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	8	0.15
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	19	0.15
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	14	0.15
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	6	0.15
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	13	0.15
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	5	0.15
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	8	0.15
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	10	0.15
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	14	0.15
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	7	0.15
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	14	0.15
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	17	0.15
(2,34)	1:1173:A:ARG:O	1:1177:A:THR:N	16	0.15
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	2	0.15
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	10	0.15
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	19	0.15
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	2	0.15
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	12	0.15
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	17	0.15
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	4	0.15
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	16	0.15
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	11	0.15
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	3	0.15
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	6	0.15
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	16	0.15
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	2	0.15
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	16	0.15
(2,21)	1:1167:A:ASP:O	1:1171:A:LEU:H	8	0.15
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	5	0.15
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	15	0.15
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	9	0.15
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	13	0.15
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	1	0.15
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	14	0.15
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	11	0.15
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	18	0.15
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	19	0.15
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	5	0.15
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	12	0.15
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	6	0.15
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	13	0.15
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	2	0.15
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	7	0.15
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	12	0.15
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	19	0.15
(1,1736)	1:1159:A:LEU:HA	1:1189:A:GLN:HG2	11	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG11	14	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG12	14	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG13	14	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG21	14	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG22	14	0.15
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG23	14	0.15
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG2	17	0.15
(1,1637)	1:1233:A:LEU:HA	1:1237:A:GLN:HG3	17	0.15
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG2	15	0.15
(1,1587)	1:1222:A:GLU:H	1:1222:A:GLU:HG3	15	0.15
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	18	0.15
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	18	0.15
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE21	9	0.15
(1,1535)	1:1210:A:ILE:HD11	1:1237:A:GLN:HE22	9	0.15
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE21	9	0.15
(1,1535)	1:1210:A:ILE:HD12	1:1237:A:GLN:HE22	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE21	9	0.15
(1,1535)	1:1210:A:ILE:HD13	1:1237:A:GLN:HE22	9	0.15
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB2	3	0.15
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB3	3	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE2	2	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE3	2	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE2	2	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE3	2	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE2	5	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE3	5	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE2	5	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE3	5	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE2	17	0.15
(1,1437)	1:1192:A:LYS:HB2	1:1192:A:LYS:HE3	17	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE2	17	0.15
(1,1437)	1:1192:A:LYS:HB3	1:1192:A:LYS:HE3	17	0.15
(1,1424)	1:1190:A:VAL:HG11	1:1175:A:TRP:HH2	12	0.15
(1,1424)	1:1190:A:VAL:HG12	1:1175:A:TRP:HH2	12	0.15
(1,1424)	1:1190:A:VAL:HG13	1:1175:A:TRP:HH2	12	0.15
(1,1424)	1:1190:A:VAL:HG21	1:1175:A:TRP:HH2	12	0.15
(1,1424)	1:1190:A:VAL:HG22	1:1175:A:TRP:HH2	12	0.15
(1,1424)	1:1190:A:VAL:HG23	1:1175:A:TRP:HH2	12	0.15
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	10	0.15
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	10	0.15
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	10	0.15
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	10	0.15
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	10	0.15
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	10	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG11	5	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG12	5	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG13	5	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG21	5	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG22	5	0.15
(1,1388)	1:1176:A:ILE:HG21	1:1224:A:VAL:HG23	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG11	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG12	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG13	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG21	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG22	5	0.15
(1,1388)	1:1176:A:ILE:HG22	1:1224:A:VAL:HG23	5	0.15
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG11	5	0.15
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG12	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG13	5	0.15
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG21	5	0.15
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG22	5	0.15
(1,1388)	1:1176:A:ILE:HG23	1:1224:A:VAL:HG23	5	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	6	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	6	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	7	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	7	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	8	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	8	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG2	14	0.15
(1,1384)	1:1174:A:GLU:HA	1:1174:A:GLU:HG3	14	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	5	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	5	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	5	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	10	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	10	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	10	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	10	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	10	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	10	0.15
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	10	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG11	1	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG12	1	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG13	1	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG21	1	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG22	1	0.15
(1,1344)	1:1167:A:ASP:H	1:1168:A:VAL:HG23	1	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG11	10	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG12	10	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG13	10	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG21	10	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG22	10	0.15
(1,1335)	1:1165:A:PHE:HB3	1:1168:A:VAL:HG23	10	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	3	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	3	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	3	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	3	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	3	0.15
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	3	0.15
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB2	1	0.15
(1,1311)	1:1162:A:ALA:HA	1:1167:A:ASP:HB3	1	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG21	20	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG22	20	0.15
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG23	20	0.15
(1,1256)	1:1179:A:ILE:HG21	1:1183:A:MET:H	10	0.15
(1,1256)	1:1179:A:ILE:HG22	1:1183:A:MET:H	10	0.15
(1,1256)	1:1179:A:ILE:HG23	1:1183:A:MET:H	10	0.15
(1,1215)	1:1162:A:ALA:HB1	1:1167:A:ASP:H	9	0.15
(1,1215)	1:1162:A:ALA:HB2	1:1167:A:ASP:H	9	0.15
(1,1215)	1:1162:A:ALA:HB3	1:1167:A:ASP:H	9	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	3	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	3	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	3	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	16	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	16	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	16	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG21	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG22	20	0.15
(1,1207)	1:1188:A:LEU:HA	1:1232:A:ILE:HG23	20	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG21	6	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG22	6	0.15
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG23	6	0.15
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	6	0.15
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	6	0.15
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	6	0.15
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	10	0.15
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	10	0.15
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG2	20	0.15
(1,1080)	1:1216:A:LEU:HA	1:1219:A:GLN:HG3	20	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	8	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	8	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	8	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	11	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	11	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	11	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	18	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	18	0.15
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	18	0.15
(1,1060)	1:1198:A:ILE:HD11	1:1240:A:LEU:HB2	5	0.15
(1,1060)	1:1198:A:ILE:HD12	1:1240:A:LEU:HB2	5	0.15
(1,1060)	1:1198:A:ILE:HD13	1:1240:A:LEU:HB2	5	0.15
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	8	0.15
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	8	0.15
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	8	0.15
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	8	0.15
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	8	0.15
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	8	0.15
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	8	0.15
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	8	0.15
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	8	0.15
(1,1054)	1:1237:A:GLN:HB2	1:1247:A:THR:HG21	1	0.15
(1,1054)	1:1237:A:GLN:HB2	1:1247:A:THR:HG22	1	0.15
(1,1054)	1:1237:A:GLN:HB2	1:1247:A:THR:HG23	1	0.15
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE1	12	0.15
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE2	12	0.15
(1,970)	1:1209:A:VAL:HG11	1:1213:A:MET:HE3	12	0.15
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE1	12	0.15
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE2	12	0.15
(1,970)	1:1209:A:VAL:HG12	1:1213:A:MET:HE3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE1	12	0.15
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE2	12	0.15
(1,970)	1:1209:A:VAL:HG13	1:1213:A:MET:HE3	12	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD21	2	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD22	2	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD23	2	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD21	18	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD22	18	0.15
(1,924)	1:1201:A:LYS:HA	1:1203:A:LEU:HD23	18	0.15
(1,916)	1:1168:A:VAL:HG11	1:1193:A:TYR:HD1	3	0.15
(1,916)	1:1168:A:VAL:HG12	1:1193:A:TYR:HD1	3	0.15
(1,916)	1:1168:A:VAL:HG13	1:1193:A:TYR:HD1	3	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	1	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	1	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	6	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	6	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	12	0.15
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	12	0.15
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	3	0.15
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	11	0.15
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	15	0.15
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB2	1	0.15
(1,817)	1:1247:A:THR:HB	1:1248:A:LEU:HB3	1	0.15
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	1	0.15
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	8	0.15
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	13	0.15
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	13	0.15
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	13	0.15
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	9	0.15
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	9	0.15
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	9	0.15
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	4	0.15
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	20	0.15
(1,731)	1:1215:A:ARG:HA	1:1218:A:GLN:H	11	0.15
(1,731)	1:1215:A:ARG:HA	1:1218:A:GLN:H	15	0.15
(1,724)	1:1241:A:GLN:HA	1:1245:A:GLY:H	12	0.15
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	5	0.15
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	11	0.15
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	18	0.15
(1,687)	1:1183:A:MET:HA	1:1184:A:GLU:HB2	17	0.15
(1,686)	1:1248:A:LEU:HA	1:1250:A:VAL:H	20	0.15
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD21	19	0.15
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD22	19	0.15
(1,650)	1:1169:A:LYS:HA	1:1216:A:LEU:HD23	19	0.15
(1,645)	1:1163:A:VAL:H	1:1164:A:GLU:HA	14	0.15
(1,631)	1:1214:A:LYS:HA	1:1229:A:PHE:HD1	1	0.15
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	10	0.15
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	13	0.15
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD21	19	0.15
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD22	19	0.15
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD23	19	0.15
(1,598)	1:1187:A:ILE:HA	1:1190:A:VAL:HB	17	0.15
(1,572)	1:1207:A:ASP:HA	1:1210:A:ILE:HB	10	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD11	6	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD12	6	0.15
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD13	6	0.15
(1,536)	1:1250:A:VAL:HA	1:1250:A:VAL:HB	16	0.15
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	9	0.15
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	17	0.15
(1,530)	1:1201:A:LYS:H	1:1201:A:LYS:HE2	20	0.15
(1,530)	1:1201:A:LYS:H	1:1201:A:LYS:HE3	20	0.15
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	9	0.15
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	9	0.15
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	2	0.15
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	6	0.15
(1,469)	1:1165:A:PHE:HA	1:1165:A:PHE:HD1	19	0.15
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	4	0.15
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	4	0.15
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	8	0.15
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	8	0.15
(1,431)	1:1241:A:GLN:HA	1:1241:A:GLN:HG2	6	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	4	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	4	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	4	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	4	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	4	0.15
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	4	0.15
(1,358)	1:1221:A:VAL:HG11	1:1222:A:GLU:H	20	0.15
(1,358)	1:1221:A:VAL:HG12	1:1222:A:GLU:H	20	0.15
(1,358)	1:1221:A:VAL:HG13	1:1222:A:GLU:H	20	0.15
(1,338)	1:1194:A:CYS:HB3	1:1195:A:THR:H	6	0.15
(1,329)	1:1214:A:LYS:HB2	1:1218:A:GLN:H	7	0.15
(1,329)	1:1214:A:LYS:HB3	1:1218:A:GLN:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	5	0.15
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	5	0.15
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	5	0.15
(1,216)	1:1207:A:ASP:HA	1:1210:A:ILE:H	1	0.15
(1,199)	1:1162:A:ALA:HB1	1:1164:A:GLU:H	13	0.15
(1,199)	1:1162:A:ALA:HB2	1:1164:A:GLU:H	13	0.15
(1,199)	1:1162:A:ALA:HB3	1:1164:A:GLU:H	13	0.15
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	10	0.15
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	10	0.15
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	10	0.15
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	5	0.15
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	5	0.15
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	17	0.15
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	17	0.15
(1,75)	1:1251:A:THR:H	1:1251:A:THR:HB	19	0.15
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	12	0.14
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	1	0.14
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	2	0.14
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	18	0.14
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	11	0.14
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	13	0.14
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	14	0.14
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	20	0.14
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	7	0.14
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	11	0.14
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	19	0.14
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	13	0.14
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	14	0.14
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	2	0.14
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	15	0.14
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	17	0.14
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	18	0.14
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	20	0.14
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	3	0.14
(2,75)	1:1233:A:LEU:O	1:1237:A:GLN:H	5	0.14
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	12	0.14
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	15	0.14
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	11	0.14
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	14	0.14
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	10	0.14
(2,61)	1:1224:A:VAL:O	1:1228:A:ALA:H	9	0.14
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	5	0.14
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	8	0.14
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	9	0.14
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	2	0.14
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	14	0.14
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	15	0.14
(2,48)	1:1210:A:ILE:O	1:1214:A:LYS:N	11	0.14
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	4	0.14
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	9	0.14
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	16	0.14
(2,44)	1:1208:A:LEU:O	1:1212:A:TYR:N	12	0.14
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	5	0.14
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	9	0.14
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	14	0.14
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	17	0.14
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	15	0.14
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	4	0.14
(2,39)	1:1206:A:LEU:O	1:1210:A:ILE:H	7	0.14
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	2	0.14
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	18	0.14
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	20	0.14
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	1	0.14
(2,32)	1:1172:A:LEU:O	1:1176:A:ILE:N	12	0.14
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	14	0.14
(2,30)	1:1171:A:LEU:O	1:1175:A:TRP:N	6	0.14
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	7	0.14
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	10	0.14
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	2	0.14
(2,21)	1:1167:A:ASP:O	1:1171:A:LEU:H	19	0.14
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	6	0.14
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	4	0.14
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	14	0.14
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	16	0.14
(2,17)	1:1165:A:PHE:O	1:1169:A:LYS:H	12	0.14
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	18	0.14
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	3	0.14
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	12	0.14
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	15	0.14
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	20	0.14
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	2	0.14
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	15	0.14
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	8	0.14
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	15	0.14
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	11	0.14
(2,4)	1:1185:A:GLU:O	1:1189:A:GLN:N	2	0.14
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	17	0.14
(1,1681)	1:1238:A:VAL:HG11	1:1241:A:GLN:HG3	12	0.14
(1,1681)	1:1238:A:VAL:HG12	1:1241:A:GLN:HG3	12	0.14
(1,1681)	1:1238:A:VAL:HG13	1:1241:A:GLN:HG3	12	0.14
(1,1681)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	12	0.14
(1,1681)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	12	0.14
(1,1681)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	12	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	8	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	8	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	8	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	8	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	8	0.14
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	8	0.14
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	12	0.14
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	12	0.14
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	12	0.14
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	12	0.14
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	12	0.14
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	12	0.14
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	6	0.14
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	6	0.14
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	20	0.14
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	20	0.14
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG2	6	0.14
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG3	6	0.14
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG2	16	0.14
(1,1597)	1:1224:A:VAL:HA	1:1227:A:MET:HG3	16	0.14
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	12	0.14
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	12	0.14
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	2	0.14
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	2	0.14
(1,1487)	1:1201:A:LYS:HG2	1:1244:A:TYR:HE1	3	0.14
(1,1487)	1:1201:A:LYS:HG3	1:1244:A:TYR:HE1	3	0.14
(1,1461)	1:1197:A:LEU:HD11	1:1203:A:LEU:HA	5	0.14
(1,1461)	1:1197:A:LEU:HD12	1:1203:A:LEU:HA	5	0.14
(1,1461)	1:1197:A:LEU:HD13	1:1203:A:LEU:HA	5	0.14
(1,1461)	1:1197:A:LEU:HD21	1:1203:A:LEU:HA	5	0.14
(1,1461)	1:1197:A:LEU:HD22	1:1203:A:LEU:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	1:1197:A:LEU:HD23	1:1203:A:LEU:HA	5	0.14
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	9	0.14
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	18	0.14
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	18	0.14
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	18	0.14
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	18	0.14
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	18	0.14
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	18	0.14
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	16	0.14
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	16	0.14
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	16	0.14
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	16	0.14
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	16	0.14
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	16	0.14
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	16	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	9	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	9	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	9	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	9	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	9	0.14
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	9	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG11	4	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG12	4	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG13	4	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG21	4	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG22	4	0.14
(1,1336)	1:1165:A:PHE:HD1	1:1168:A:VAL:HG23	4	0.14
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	16	0.14
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	16	0.14
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	16	0.14
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	16	0.14
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	16	0.14
(1,1281)	1:1187:A:ILE:HG21	1:1191:A:VAL:HG21	10	0.14
(1,1281)	1:1187:A:ILE:HG21	1:1191:A:VAL:HG22	10	0.14
(1,1281)	1:1187:A:ILE:HG21	1:1191:A:VAL:HG23	10	0.14
(1,1281)	1:1187:A:ILE:HG22	1:1191:A:VAL:HG21	10	0.14
(1,1281)	1:1187:A:ILE:HG22	1:1191:A:VAL:HG22	10	0.14
(1,1281)	1:1187:A:ILE:HG22	1:1191:A:VAL:HG23	10	0.14
(1,1281)	1:1187:A:ILE:HG23	1:1191:A:VAL:HG21	10	0.14
(1,1281)	1:1187:A:ILE:HG23	1:1191:A:VAL:HG22	10	0.14
(1,1281)	1:1187:A:ILE:HG23	1:1191:A:VAL:HG23	10	0.14
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD11	14	0.14
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD12	14	0.14
(1,1276)	1:1207:A:ASP:HA	1:1210:A:ILE:HD13	14	0.14
(1,1268)	1:1240:A:LEU:HB3	1:1241:A:GLN:HG2	17	0.14
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	17	0.14
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	17	0.14
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	17	0.14
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	5	0.14
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	4	0.14
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	4	0.14
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	4	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG21	10	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG22	10	0.14
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG23	10	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG21	10	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG22	10	0.14
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG23	10	0.14
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	15	0.14
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	15	0.14
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	15	0.14
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	15	0.14
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	15	0.14
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	15	0.14
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG21	2	0.14
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG22	2	0.14
(1,1143)	1:1173:A:ARG:HD2	1:1177:A:THR:HG23	2	0.14
(1,1123)	1:1248:A:LEU:HB2	1:1250:A:VAL:HB	15	0.14
(1,1123)	1:1248:A:LEU:HB3	1:1250:A:VAL:HB	15	0.14
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD11	12	0.14
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD12	12	0.14
(1,1070)	1:1198:A:ILE:H	1:1198:A:ILE:HD13	12	0.14
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD11	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD12	18	0.14
(1,1059)	1:1195:A:THR:HG21	1:1198:A:ILE:HD13	18	0.14
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD11	18	0.14
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD12	18	0.14
(1,1059)	1:1195:A:THR:HG22	1:1198:A:ILE:HD13	18	0.14
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD11	18	0.14
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD12	18	0.14
(1,1059)	1:1195:A:THR:HG23	1:1198:A:ILE:HD13	18	0.14
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	17	0.14
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	17	0.14
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	9	0.14
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	9	0.14
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	9	0.14
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	9	0.14
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	9	0.14
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	9	0.14
(1,1008)	1:1214:A:LYS:HB2	1:1229:A:PHE:HD1	5	0.14
(1,1008)	1:1214:A:LYS:HB3	1:1229:A:PHE:HD1	5	0.14
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD11	13	0.14
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD12	13	0.14
(1,932)	1:1198:A:ILE:HG12	1:1203:A:LEU:HD13	13	0.14
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	19	0.14
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	19	0.14
(1,827)	1:1197:A:LEU:HD21	1:1206:A:LEU:HB2	13	0.14
(1,827)	1:1197:A:LEU:HD22	1:1206:A:LEU:HB2	13	0.14
(1,827)	1:1197:A:LEU:HD23	1:1206:A:LEU:HB2	13	0.14
(1,792)	1:1217:A:MET:HA	1:1225:A:TRP:HA	10	0.14
(1,788)	1:1249:A:LYS:HE2	1:1250:A:VAL:HA	3	0.14
(1,788)	1:1249:A:LYS:HE3	1:1250:A:VAL:HA	3	0.14
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	3	0.14
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	3	0.14
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	3	0.14
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	5	0.14
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	5	0.14
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	5	0.14
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	19	0.14
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	19	0.14
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	19	0.14
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	20	0.14
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	20	0.14
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	20	0.14
(1,777)	1:1209:A:VAL:HA	1:1212:A:TYR:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:1209:A:VAL:HA	1:1212:A:TYR:H	12	0.14
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	1	0.14
(1,738)	1:1241:A:GLN:HA	1:1246:A:SER:HA	9	0.14
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	9	0.14
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	9	0.14
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	9	0.14
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	11	0.14
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	13	0.14
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	20	0.14
(1,716)	1:1179:A:ILE:HG21	1:1182:A:PRO:HA	20	0.14
(1,716)	1:1179:A:ILE:HG22	1:1182:A:PRO:HA	20	0.14
(1,716)	1:1179:A:ILE:HG23	1:1182:A:PRO:HA	20	0.14
(1,687)	1:1183:A:MET:HA	1:1184:A:GLU:HB2	4	0.14
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	16	0.14
(1,656)	1:1171:A:LEU:HA	1:1173:A:ARG:H	12	0.14
(1,645)	1:1163:A:VAL:H	1:1164:A:GLU:HA	5	0.14
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG21	19	0.14
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG22	19	0.14
(1,637)	1:1174:A:GLU:HA	1:1177:A:THR:HG23	19	0.14
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	19	0.14
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD21	9	0.14
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD22	9	0.14
(1,605)	1:1198:A:ILE:HA	1:1203:A:LEU:HD23	9	0.14
(1,592)	1:1229:A:PHE:HA	1:1232:A:ILE:HD11	10	0.14
(1,592)	1:1229:A:PHE:HA	1:1232:A:ILE:HD12	10	0.14
(1,592)	1:1229:A:PHE:HA	1:1232:A:ILE:HD13	10	0.14
(1,569)	1:1196:A:ASP:HA	1:1199:A:GLU:HG3	10	0.14
(1,536)	1:1250:A:VAL:HA	1:1250:A:VAL:HB	9	0.14
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	4	0.14
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	4	0.14
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	4	0.14
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	5	0.14
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	5	0.14
(1,487)	1:1226:A:ASN:HA	1:1229:A:PHE:HB2	13	0.14
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	3	0.14
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	3	0.14
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	11	0.14
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	11	0.14
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	12	0.14
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	12	0.14
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	13	0.14
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:1195:A:THR:HG21	1:1239:A:VAL:H	7	0.14
(1,364)	1:1195:A:THR:HG22	1:1239:A:VAL:H	7	0.14
(1,364)	1:1195:A:THR:HG23	1:1239:A:VAL:H	7	0.14
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD21	16	0.14
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD22	16	0.14
(1,326)	1:1173:A:ARG:H	1:1216:A:LEU:HD23	16	0.14
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	4	0.14
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	4	0.14
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	4	0.14
(1,300)	1:1216:A:LEU:HD11	1:1217:A:MET:H	1	0.14
(1,300)	1:1216:A:LEU:HD12	1:1217:A:MET:H	1	0.14
(1,300)	1:1216:A:LEU:HD13	1:1217:A:MET:H	1	0.14
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	8	0.14
(1,267)	1:1167:A:ASP:HA	1:1170:A:THR:H	18	0.14
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	5	0.14
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	5	0.14
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	5	0.14
(1,193)	1:1163:A:VAL:HB	1:1164:A:GLU:H	16	0.14
(1,122)	1:1189:A:GLN:H	1:1189:A:GLN:HG2	6	0.14
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	1	0.14
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	1	0.14
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	4	0.14
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	4	0.14
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	1	0.13
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	5	0.13
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	7	0.13
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	9	0.13
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	11	0.13
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	13	0.13
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	4	0.13
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	9	0.13
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	14	0.13
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	16	0.13
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	18	0.13
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	12	0.13
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	2	0.13
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	9	0.13
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	10	0.13
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	13	0.13
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	11	0.13
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	5	0.13
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:1234:A:ASP:O	1:1238:A:VAL:N	1	0.13
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	11	0.13
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	2	0.13
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	10	0.13
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	19	0.13
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	3	0.13
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	4	0.13
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	19	0.13
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	2	0.13
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	4	0.13
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	7	0.13
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	18	0.13
(2,56)	1:1214:A:LYS:O	1:1218:A:GLN:N	7	0.13
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	12	0.13
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	18	0.13
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	1	0.13
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	17	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	4	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	5	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	11	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	13	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	17	0.13
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	18	0.13
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	5	0.13
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	8	0.13
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	10	0.13
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	12	0.13
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	17	0.13
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	8	0.13
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	11	0.13
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	12	0.13
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	13	0.13
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	11	0.13
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	3	0.13
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	12	0.13
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	20	0.13
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	11	0.13
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	19	0.13
(2,28)	1:1170:A:THR:O	1:1174:A:GLU:N	11	0.13
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	14	0.13
(2,25)	1:1169:A:LYS:O	1:1173:A:ARG:H	7	0.13
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:1167:A:ASP:O	1:1171:A:LEU:H	15	0.13
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	1	0.13
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	17	0.13
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	3	0.13
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	17	0.13
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	16	0.13
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	1	0.13
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	16	0.13
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	3	0.13
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	9	0.13
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	12	0.13
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	16	0.13
(2,4)	1:1185:A:GLU:O	1:1189:A:GLN:N	4	0.13
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	10	0.13
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	14	0.13
(1,1696)	1:1240:A:LEU:HD11	1:1243:A:THR:H	19	0.13
(1,1696)	1:1240:A:LEU:HD12	1:1243:A:THR:H	19	0.13
(1,1696)	1:1240:A:LEU:HD13	1:1243:A:THR:H	19	0.13
(1,1696)	1:1240:A:LEU:HD21	1:1243:A:THR:H	19	0.13
(1,1696)	1:1240:A:LEU:HD22	1:1243:A:THR:H	19	0.13
(1,1696)	1:1240:A:LEU:HD23	1:1243:A:THR:H	19	0.13
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	3	0.13
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	3	0.13
(1,1584)	1:1221:A:VAL:HG11	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG11	1:1222:A:GLU:HB3	5	0.13
(1,1584)	1:1221:A:VAL:HG12	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG12	1:1222:A:GLU:HB3	5	0.13
(1,1584)	1:1221:A:VAL:HG13	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG13	1:1222:A:GLU:HB3	5	0.13
(1,1584)	1:1221:A:VAL:HG21	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG21	1:1222:A:GLU:HB3	5	0.13
(1,1584)	1:1221:A:VAL:HG22	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG22	1:1222:A:GLU:HB3	5	0.13
(1,1584)	1:1221:A:VAL:HG23	1:1222:A:GLU:HB2	5	0.13
(1,1584)	1:1221:A:VAL:HG23	1:1222:A:GLU:HB3	5	0.13
(1,1583)	1:1221:A:VAL:HG11	1:1222:A:GLU:HA	6	0.13
(1,1583)	1:1221:A:VAL:HG12	1:1222:A:GLU:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:1221:A:VAL:HG13	1:1222:A:GLU:HA	6	0.13
(1,1583)	1:1221:A:VAL:HG21	1:1222:A:GLU:HA	6	0.13
(1,1583)	1:1221:A:VAL:HG22	1:1222:A:GLU:HA	6	0.13
(1,1583)	1:1221:A:VAL:HG23	1:1222:A:GLU:HA	6	0.13
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	15	0.13
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	15	0.13
(1,1548)	1:1213:A:MET:HG2	1:1217:A:MET:H	20	0.13
(1,1548)	1:1213:A:MET:HG3	1:1217:A:MET:H	20	0.13
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG2	1	0.13
(1,1545)	1:1213:A:MET:HA	1:1217:A:MET:HG3	1	0.13
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD2	14	0.13
(1,1540)	1:1212:A:TYR:HA	1:1215:A:ARG:HD3	14	0.13
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB2	9	0.13
(1,1527)	1:1209:A:VAL:HA	1:1212:A:TYR:HB3	9	0.13
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD11	1:1216:A:LEU:HD13	7	0.13
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD12	1:1216:A:LEU:HD13	7	0.13
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD13	1:1216:A:LEU:HD13	7	0.13
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD21	1:1216:A:LEU:HD13	7	0.13
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD22	1:1216:A:LEU:HD13	7	0.13
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD11	7	0.13
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD12	7	0.13
(1,1380)	1:1172:A:LEU:HD23	1:1216:A:LEU:HD13	7	0.13
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG11	1:1205:A:LYS:HD3	11	0.13
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG12	1:1205:A:LYS:HD3	11	0.13
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG13	1:1205:A:LYS:HD3	11	0.13
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG21	1:1205:A:LYS:HD3	11	0.13
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG22	1:1205:A:LYS:HD3	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD2	11	0.13
(1,1356)	1:1168:A:VAL:HG23	1:1205:A:LYS:HD3	11	0.13
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	17	0.13
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	17	0.13
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	17	0.13
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	17	0.13
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	17	0.13
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	17	0.13
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	4	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	17	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	20	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	20	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	20	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	20	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	20	0.13
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	20	0.13
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD21	16	0.13
(1,1334)	1:1165:A:PHE:HB3	1:1166:A:ASN:HD22	16	0.13
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG21	8	0.13
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG22	8	0.13
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG23	8	0.13
(1,1279)	1:1208:A:LEU:HA	1:1211:A:LYS:HB2	10	0.13
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG21	8	0.13
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG22	8	0.13
(1,1263)	1:1194:A:CYS:HB3	1:1209:A:VAL:HG23	8	0.13
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG21	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG22	2	0.13
(1,1225)	1:1198:A:ILE:HG12	1:1243:A:THR:HG23	2	0.13
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG21	15	0.13
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG22	15	0.13
(1,1224)	1:1198:A:ILE:HB	1:1243:A:THR:HG23	15	0.13
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG21	5	0.13
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG22	5	0.13
(1,1205)	1:1213:A:MET:HB2	1:1232:A:ILE:HG23	5	0.13
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG21	5	0.13
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG22	5	0.13
(1,1205)	1:1213:A:MET:HB3	1:1232:A:ILE:HG23	5	0.13
(1,1174)	1:1176:A:ILE:HD11	1:1213:A:MET:HB3	8	0.13
(1,1174)	1:1176:A:ILE:HD12	1:1213:A:MET:HB3	8	0.13
(1,1174)	1:1176:A:ILE:HD13	1:1213:A:MET:HB3	8	0.13
(1,1164)	1:1238:A:VAL:HA	1:1241:A:GLN:HB3	15	0.13
(1,1137)	1:1224:A:VAL:HG21	1:1225:A:TRP:HD1	7	0.13
(1,1137)	1:1224:A:VAL:HG22	1:1225:A:TRP:HD1	7	0.13
(1,1137)	1:1224:A:VAL:HG23	1:1225:A:TRP:HD1	7	0.13
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB2	13	0.13
(1,1015)	1:1176:A:ILE:HG21	1:1182:A:PRO:HB3	13	0.13
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB2	13	0.13
(1,1015)	1:1176:A:ILE:HG22	1:1182:A:PRO:HB3	13	0.13
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB2	13	0.13
(1,1015)	1:1176:A:ILE:HG23	1:1182:A:PRO:HB3	13	0.13
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	5	0.13
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	5	0.13
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	5	0.13
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	15	0.13
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	15	0.13
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	15	0.13
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG11	20	0.13
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG12	20	0.13
(1,969)	1:1206:A:LEU:HB2	1:1209:A:VAL:HG13	20	0.13
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD11	13	0.13
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD12	13	0.13
(1,933)	1:1201:A:LYS:HA	1:1203:A:LEU:HD13	13	0.13
(1,930)	1:1203:A:LEU:HD11	1:1206:A:LEU:HB3	8	0.13
(1,930)	1:1203:A:LEU:HD12	1:1206:A:LEU:HB3	8	0.13
(1,930)	1:1203:A:LEU:HD13	1:1206:A:LEU:HB3	8	0.13
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD21	20	0.13
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD22	20	0.13
(1,913)	1:1169:A:LYS:HE2	1:1208:A:LEU:HD23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD21	20	0.13
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD22	20	0.13
(1,913)	1:1169:A:LYS:HE3	1:1208:A:LEU:HD23	20	0.13
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	19	0.13
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	19	0.13
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	19	0.13
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	14	0.13
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	14	0.13
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	14	0.13
(1,849)	1:1211:A:LYS:HG2	1:1250:A:VAL:HB	17	0.13
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	9	0.13
(1,807)	1:1174:A:GLU:HA	1:1177:A:THR:HB	7	0.13
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	3	0.13
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	12	0.13
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	13	0.13
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	15	0.13
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	19	0.13
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	18	0.13
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	18	0.13
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	18	0.13
(1,777)	1:1209:A:VAL:HA	1:1212:A:TYR:H	19	0.13
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	12	0.13
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	12	0.13
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	12	0.13
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	15	0.13
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	15	0.13
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	15	0.13
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	13	0.13
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	13	0.13
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	13	0.13
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	6	0.13
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	3	0.13
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	19	0.13
(1,665)	1:1206:A:LEU:HA	1:1209:A:VAL:HB	5	0.13
(1,656)	1:1171:A:LEU:HA	1:1173:A:ARG:H	16	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	6	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	6	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	6	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	8	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	8	0.13
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	8	0.13
(1,649)	1:1210:A:ILE:HA	1:1213:A:MET:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	16	0.13
(1,566)	1:1167:A:ASP:HA	1:1170:A:THR:HB	3	0.13
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	5	0.13
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	5	0.13
(1,507)	1:1251:A:THR:HA	1:1251:A:THR:HB	12	0.13
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	7	0.13
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	7	0.13
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	11	0.13
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG2	16	0.13
(1,459)	1:1219:A:GLN:HA	1:1219:A:GLN:HG3	16	0.13
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	2	0.13
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	9	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD21	5	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD22	5	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD23	5	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD11	5	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD12	5	0.13
(1,402)	1:1212:A:TYR:HE1	1:1216:A:LEU:HD13	5	0.13
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE1	12	0.13
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE2	12	0.13
(1,378)	1:1183:A:MET:H	1:1183:A:MET:HE3	12	0.13
(1,339)	1:1191:A:VAL:HG11	1:1195:A:THR:H	9	0.13
(1,339)	1:1191:A:VAL:HG12	1:1195:A:THR:H	9	0.13
(1,339)	1:1191:A:VAL:HG13	1:1195:A:THR:H	9	0.13
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	16	0.13
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	16	0.13
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	16	0.13
(1,306)	1:1164:A:GLU:HA	1:1166:A:ASN:H	7	0.13
(1,300)	1:1216:A:LEU:HD11	1:1217:A:MET:H	4	0.13
(1,300)	1:1216:A:LEU:HD12	1:1217:A:MET:H	4	0.13
(1,300)	1:1216:A:LEU:HD13	1:1217:A:MET:H	4	0.13
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	13	0.13
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	13	0.13
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	13	0.13
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	13	0.13
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	2	0.13
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	3	0.13
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	3	0.13
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD2	19	0.13
(1,118)	1:1214:A:LYS:H	1:1214:A:LYS:HD3	19	0.13
(1,6)	1:1208:A:LEU:H	1:1208:A:LEU:HD11	17	0.13
(1,6)	1:1208:A:LEU:H	1:1208:A:LEU:HD12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:1208:A:LEU:H	1:1208:A:LEU:HD13	17	0.13
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	8	0.12
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	12	0.12
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	16	0.12
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	9	0.12
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	15	0.12
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	20	0.12
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	3	0.12
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	6	0.12
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	8	0.12
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	8	0.12
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	15	0.12
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	4	0.12
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	6	0.12
(2,79)	1:1235:A:ASN:O	1:1239:A:VAL:H	19	0.12
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	3	0.12
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	14	0.12
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	20	0.12
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	4	0.12
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	6	0.12
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	12	0.12
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	6	0.12
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	13	0.12
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	1	0.12
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	9	0.12
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	19	0.12
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	7	0.12
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	14	0.12
(2,63)	1:1227:A:MET:O	1:1231:A:PHE:H	15	0.12
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	10	0.12
(2,56)	1:1214:A:LYS:O	1:1218:A:GLN:N	20	0.12
(2,52)	1:1212:A:TYR:O	1:1216:A:LEU:N	6	0.12
(2,52)	1:1212:A:TYR:O	1:1216:A:LEU:N	16	0.12
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	4	0.12
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	13	0.12
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	15	0.12
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	16	0.12
(2,49)	1:1211:A:LYS:O	1:1215:A:ARG:H	8	0.12
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	2	0.12
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	3	0.12
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	5	0.12
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	15	0.12
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	18	0.12
(2,44)	1:1208:A:LEU:O	1:1212:A:TYR:N	3	0.12
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	7	0.12
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	16	0.12
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	4	0.12
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	10	0.12
(2,42)	1:1207:A:ASP:O	1:1211:A:LYS:N	14	0.12
(2,39)	1:1206:A:LEU:O	1:1210:A:ILE:H	18	0.12
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	17	0.12
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	18	0.12
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	3	0.12
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	10	0.12
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	7	0.12
(2,30)	1:1171:A:LEU:O	1:1175:A:TRP:N	2	0.12
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	1	0.12
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	13	0.12
(2,20)	1:1166:A:ASN:O	1:1170:A:THR:N	13	0.12
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	3	0.12
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	7	0.12
(2,18)	1:1165:A:PHE:O	1:1169:A:LYS:N	10	0.12
(2,16)	1:1195:A:THR:O	1:1199:A:GLU:N	12	0.12
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	8	0.12
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	20	0.12
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	5	0.12
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	6	0.12
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	16	0.12
(2,13)	1:1193:A:TYR:O	1:1197:A:LEU:H	9	0.12
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	7	0.12
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	12	0.12
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	11	0.12
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	13	0.12
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	14	0.12
(2,8)	1:1190:A:VAL:O	1:1194:A:CYS:N	6	0.12
(2,8)	1:1190:A:VAL:O	1:1194:A:CYS:N	13	0.12
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	11	0.12
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	14	0.12
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	19	0.12
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	4	0.12
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	19	0.12
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	11	0.12
(2,3)	1:1185:A:GLU:O	1:1189:A:GLN:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:1184:A:GLU:O	1:1188:A:LEU:H	10	0.12
(1,1738)	1:1159:A:LEU:H	1:1168:A:VAL:HG11	18	0.12
(1,1738)	1:1159:A:LEU:H	1:1168:A:VAL:HG12	18	0.12
(1,1738)	1:1159:A:LEU:H	1:1168:A:VAL:HG13	18	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG21	5	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG22	5	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG23	5	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG21	10	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG22	10	0.12
(1,1735)	1:1205:A:LYS:HD3	1:1168:A:VAL:HG23	10	0.12
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB2	18	0.12
(1,1710)	1:1245:A:GLY:HA3	1:1246:A:SER:HB3	18	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG11	16	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG12	16	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG13	16	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG21	16	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG22	16	0.12
(1,1660)	1:1236:A:VAL:HA	1:1239:A:VAL:HG23	16	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG11	10	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG12	10	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG13	10	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG21	10	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG22	10	0.12
(1,1658)	1:1236:A:VAL:H	1:1239:A:VAL:HG23	10	0.12
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	6	0.12
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	6	0.12
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	6	0.12
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	6	0.12
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	6	0.12
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	6	0.12
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	15	0.12
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	15	0.12
(1,1590)	1:1222:A:GLU:HB2	1:1223:A:SER:H	20	0.12
(1,1590)	1:1222:A:GLU:HB3	1:1223:A:SER:H	20	0.12
(1,1582)	1:1221:A:VAL:HG11	1:1222:A:GLU:H	5	0.12
(1,1582)	1:1221:A:VAL:HG12	1:1222:A:GLU:H	5	0.12
(1,1582)	1:1221:A:VAL:HG13	1:1222:A:GLU:H	5	0.12
(1,1582)	1:1221:A:VAL:HG21	1:1222:A:GLU:H	5	0.12
(1,1582)	1:1221:A:VAL:HG22	1:1222:A:GLU:H	5	0.12
(1,1582)	1:1221:A:VAL:HG23	1:1222:A:GLU:H	5	0.12
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	2	0.12
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	10	0.12
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	10	0.12
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD11	7	0.12
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD12	7	0.12
(1,1507)	1:1205:A:LYS:HD2	1:1208:A:LEU:HD13	7	0.12
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD11	7	0.12
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD12	7	0.12
(1,1507)	1:1205:A:LYS:HD3	1:1208:A:LEU:HD13	7	0.12
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	19	0.12
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	19	0.12
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	19	0.12
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	19	0.12
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	19	0.12
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	19	0.12
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	19	0.12
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	19	0.12
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	15	0.12
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	17	0.12
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	17	0.12
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	17	0.12
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	17	0.12
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	17	0.12
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	17	0.12
(1,1423)	1:1190:A:VAL:HG11	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG11	1:1193:A:TYR:HB3	20	0.12
(1,1423)	1:1190:A:VAL:HG12	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG12	1:1193:A:TYR:HB3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:1190:A:VAL:HG13	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG13	1:1193:A:TYR:HB3	20	0.12
(1,1423)	1:1190:A:VAL:HG21	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG21	1:1193:A:TYR:HB3	20	0.12
(1,1423)	1:1190:A:VAL:HG22	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG22	1:1193:A:TYR:HB3	20	0.12
(1,1423)	1:1190:A:VAL:HG23	1:1193:A:TYR:HB2	20	0.12
(1,1423)	1:1190:A:VAL:HG23	1:1193:A:TYR:HB3	20	0.12
(1,1377)	1:1172:A:LEU:HD11	1:1190:A:VAL:HA	14	0.12
(1,1377)	1:1172:A:LEU:HD12	1:1190:A:VAL:HA	14	0.12
(1,1377)	1:1172:A:LEU:HD13	1:1190:A:VAL:HA	14	0.12
(1,1377)	1:1172:A:LEU:HD21	1:1190:A:VAL:HA	14	0.12
(1,1377)	1:1172:A:LEU:HD22	1:1190:A:VAL:HA	14	0.12
(1,1377)	1:1172:A:LEU:HD23	1:1190:A:VAL:HA	14	0.12
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD11	6	0.12
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD12	6	0.12
(1,1366)	1:1169:A:LYS:HD2	1:1208:A:LEU:HD13	6	0.12
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD11	6	0.12
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD12	6	0.12
(1,1366)	1:1169:A:LYS:HD3	1:1208:A:LEU:HD13	6	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	14	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	14	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	14	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	14	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	14	0.12
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	14	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	15	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	15	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	15	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	15	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	15	0.12
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	15	0.12
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG21	15	0.12
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG22	15	0.12
(1,1286)	1:1188:A:LEU:HB3	1:1191:A:VAL:HG23	15	0.12
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG21	15	0.12
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG22	15	0.12
(1,1284)	1:1188:A:LEU:HB2	1:1191:A:VAL:HG23	15	0.12
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	12	0.12
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	12	0.12
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	12	0.12
(1,1249)	1:1237:A:GLN:HB3	1:1238:A:VAL:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:1224:A:VAL:HG21	1:1225:A:TRP:HD1	13	0.12
(1,1137)	1:1224:A:VAL:HG22	1:1225:A:TRP:HD1	13	0.12
(1,1137)	1:1224:A:VAL:HG23	1:1225:A:TRP:HD1	13	0.12
(1,1127)	1:1198:A:ILE:HG13	1:1206:A:LEU:HB3	19	0.12
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD11	13	0.12
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD12	13	0.12
(1,1110)	1:1229:A:PHE:HD1	1:1232:A:ILE:HD13	13	0.12
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD11	10	0.12
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD12	10	0.12
(1,1109)	1:1225:A:TRP:HE3	1:1232:A:ILE:HD13	10	0.12
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	9	0.12
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	9	0.12
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	9	0.12
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	2	0.12
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	2	0.12
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	2	0.12
(1,960)	1:1237:A:GLN:HA	1:1239:A:VAL:HB	11	0.12
(1,946)	1:1189:A:GLN:HB2	1:1192:A:LYS:HG2	2	0.12
(1,946)	1:1189:A:GLN:HB2	1:1192:A:LYS:HG3	2	0.12
(1,946)	1:1189:A:GLN:HB3	1:1192:A:LYS:HG2	2	0.12
(1,946)	1:1189:A:GLN:HB3	1:1192:A:LYS:HG3	2	0.12
(1,943)	1:1240:A:LEU:H	1:1240:A:LEU:HB3	5	0.12
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD21	11	0.12
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD22	11	0.12
(1,928)	1:1203:A:LEU:H	1:1203:A:LEU:HD23	11	0.12
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	16	0.12
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	16	0.12
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	16	0.12
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	11	0.12
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	11	0.12
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD21	7	0.12
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD22	7	0.12
(1,839)	1:1160:A:ALA:HA	1:1172:A:LEU:HD23	7	0.12
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	7	0.12
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	16	0.12
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	5	0.12
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	5	0.12
(1,787)	1:1211:A:LYS:HE2	1:1250:A:VAL:HA	12	0.12
(1,787)	1:1211:A:LYS:HE3	1:1250:A:VAL:HA	12	0.12
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	4	0.12
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	4	0.12
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	2	0.12
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	2	0.12
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	2	0.12
(1,765)	1:1168:A:VAL:HA	1:1171:A:LEU:H	10	0.12
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	8	0.12
(1,757)	1:1198:A:ILE:HG21	1:1243:A:THR:HA	6	0.12
(1,757)	1:1198:A:ILE:HG22	1:1243:A:THR:HA	6	0.12
(1,757)	1:1198:A:ILE:HG23	1:1243:A:THR:HA	6	0.12
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG2	16	0.12
(1,733)	1:1215:A:ARG:HA	1:1218:A:GLN:HG3	16	0.12
(1,723)	1:1241:A:GLN:HA	1:1246:A:SER:H	10	0.12
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	2	0.12
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	4	0.12
(1,711)	1:1235:A:ASN:HA	1:1238:A:VAL:HB	16	0.12
(1,702)	1:1217:A:MET:HA	1:1225:A:TRP:HE3	10	0.12
(1,698)	1:1213:A:MET:HA	1:1217:A:MET:H	10	0.12
(1,686)	1:1248:A:LEU:HA	1:1250:A:VAL:H	15	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	3	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	3	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	3	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE1	9	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE2	9	0.12
(1,653)	1:1214:A:LYS:HA	1:1217:A:MET:HE3	9	0.12
(1,627)	1:1211:A:LYS:HA	1:1214:A:LYS:H	5	0.12
(1,574)	1:1230:A:ASP:HA	1:1233:A:LEU:H	18	0.12
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	11	0.12
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	11	0.12
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	18	0.12
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	18	0.12
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	5	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	15	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	15	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	15	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	17	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	17	0.12
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	17	0.12
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	11	0.12
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	11	0.12
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	15	0.12
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	15	0.12
(1,461)	1:1215:A:ARG:HB2	1:1216:A:LEU:HB3	5	0.12
(1,461)	1:1215:A:ARG:HB3	1:1216:A:LEU:HB3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	3	0.12
(1,358)	1:1221:A:VAL:HG11	1:1222:A:GLU:H	19	0.12
(1,358)	1:1221:A:VAL:HG12	1:1222:A:GLU:H	19	0.12
(1,358)	1:1221:A:VAL:HG13	1:1222:A:GLU:H	19	0.12
(1,339)	1:1191:A:VAL:HG11	1:1195:A:THR:H	13	0.12
(1,339)	1:1191:A:VAL:HG12	1:1195:A:THR:H	13	0.12
(1,339)	1:1191:A:VAL:HG13	1:1195:A:THR:H	13	0.12
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	5	0.12
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	5	0.12
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	5	0.12
(1,314)	1:1187:A:ILE:HG21	1:1189:A:GLN:H	6	0.12
(1,314)	1:1187:A:ILE:HG22	1:1189:A:GLN:H	6	0.12
(1,314)	1:1187:A:ILE:HG23	1:1189:A:GLN:H	6	0.12
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	12	0.12
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	12	0.12
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	12	0.12
(1,238)	1:1208:A:LEU:HA	1:1211:A:LYS:H	12	0.12
(1,180)	1:1191:A:VAL:HG21	1:1236:A:VAL:H	11	0.12
(1,180)	1:1191:A:VAL:HG22	1:1236:A:VAL:H	11	0.12
(1,180)	1:1191:A:VAL:HG23	1:1236:A:VAL:H	11	0.12
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	19	0.12
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	19	0.12
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	19	0.12
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	8	0.12
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	10	0.12
(1,165)	1:1202:A:ASP:H	1:1203:A:LEU:HA	9	0.12
(1,133)	1:1222:A:GLU:HB2	1:1223:A:SER:H	1	0.12
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	10	0.12
(1,57)	1:1241:A:GLN:H	1:1241:A:GLN:HE22	19	0.12
(2,91)	1:1162:A:ALA:O	1:1159:A:LEU:H	10	0.11
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	20	0.11
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	4	0.11
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	12	0.11
(2,87)	1:1239:A:VAL:O	1:1243:A:THR:H	16	0.11
(2,85)	1:1238:A:VAL:O	1:1242:A:GLN:H	2	0.11
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	5	0.11
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	7	0.11
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	8	0.11
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	10	0.11
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	17	0.11
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	4	0.11
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	3	0.11
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	10	0.11
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	16	0.11
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	20	0.11
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	2	0.11
(2,77)	1:1234:A:ASP:O	1:1238:A:VAL:H	17	0.11
(2,76)	1:1233:A:LEU:O	1:1237:A:GLN:N	7	0.11
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	19	0.11
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	10	0.11
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	4	0.11
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	9	0.11
(2,64)	1:1227:A:MET:O	1:1231:A:PHE:N	2	0.11
(2,57)	1:1215:A:ARG:O	1:1219:A:GLN:H	13	0.11
(2,55)	1:1214:A:LYS:O	1:1218:A:GLN:H	10	0.11
(2,51)	1:1212:A:TYR:O	1:1216:A:LEU:H	20	0.11
(2,50)	1:1211:A:LYS:O	1:1215:A:ARG:N	14	0.11
(2,48)	1:1210:A:ILE:O	1:1214:A:LYS:N	19	0.11
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	3	0.11
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	9	0.11
(2,45)	1:1209:A:VAL:O	1:1213:A:MET:H	19	0.11
(2,43)	1:1208:A:LEU:O	1:1212:A:TYR:H	15	0.11
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	18	0.11
(2,39)	1:1206:A:LEU:O	1:1210:A:ILE:H	1	0.11
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	9	0.11
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	11	0.11
(2,38)	1:1204:A:GLU:O	1:1208:A:LEU:N	20	0.11
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	6	0.11
(2,37)	1:1204:A:GLU:O	1:1208:A:LEU:H	19	0.11
(2,32)	1:1172:A:LEU:O	1:1176:A:ILE:N	14	0.11
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	1	0.11
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	5	0.11
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	18	0.11
(2,29)	1:1171:A:LEU:O	1:1175:A:TRP:H	20	0.11
(2,28)	1:1170:A:THR:O	1:1174:A:GLU:N	2	0.11
(2,28)	1:1170:A:THR:O	1:1174:A:GLU:N	14	0.11
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	1	0.11
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	3	0.11
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	6	0.11
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	7	0.11
(2,27)	1:1170:A:THR:O	1:1174:A:GLU:H	10	0.11
(2,24)	1:1168:A:VAL:O	1:1172:A:LEU:N	5	0.11
(2,23)	1:1168:A:VAL:O	1:1172:A:LEU:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	12	0.11
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	18	0.11
(2,16)	1:1195:A:THR:O	1:1199:A:GLU:N	16	0.11
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	2	0.11
(2,15)	1:1195:A:THR:O	1:1199:A:GLU:H	6	0.11
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	7	0.11
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	2	0.11
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	10	0.11
(2,9)	1:1191:A:VAL:O	1:1195:A:THR:H	18	0.11
(2,8)	1:1190:A:VAL:O	1:1194:A:CYS:N	12	0.11
(2,8)	1:1190:A:VAL:O	1:1194:A:CYS:N	20	0.11
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	2	0.11
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	5	0.11
(2,5)	1:1189:A:GLN:O	1:1193:A:TYR:H	5	0.11
(2,1)	1:1184:A:GLU:O	1:1188:A:LEU:H	14	0.11
(2,1)	1:1184:A:GLU:O	1:1188:A:LEU:H	15	0.11
(1,1646)	1:1233:A:LEU:HD11	1:1236:A:VAL:HB	15	0.11
(1,1646)	1:1233:A:LEU:HD12	1:1236:A:VAL:HB	15	0.11
(1,1646)	1:1233:A:LEU:HD13	1:1236:A:VAL:HB	15	0.11
(1,1646)	1:1233:A:LEU:HD21	1:1236:A:VAL:HB	15	0.11
(1,1646)	1:1233:A:LEU:HD22	1:1236:A:VAL:HB	15	0.11
(1,1646)	1:1233:A:LEU:HD23	1:1236:A:VAL:HB	15	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG11	7	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG12	7	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG13	7	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG21	7	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG22	7	0.11
(1,1643)	1:1233:A:LEU:HG	1:1236:A:VAL:HG23	7	0.11
(1,1641)	1:1233:A:LEU:HB2	1:1237:A:GLN:HB2	4	0.11
(1,1641)	1:1233:A:LEU:HB3	1:1237:A:GLN:HB2	4	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	3	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	12	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	12	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	12	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG21	12	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG22	12	0.11
(1,1636)	1:1233:A:LEU:HA	1:1236:A:VAL:HG23	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD11	8	0.11
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD12	8	0.11
(1,1621)	1:1229:A:PHE:HB2	1:1232:A:ILE:HD13	8	0.11
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD11	8	0.11
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD12	8	0.11
(1,1621)	1:1229:A:PHE:HB3	1:1232:A:ILE:HD13	8	0.11
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	8	0.11
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	8	0.11
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE21	5	0.11
(1,1562)	1:1216:A:LEU:HA	1:1219:A:GLN:HE22	5	0.11
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG2	11	0.11
(1,1554)	1:1215:A:ARG:H	1:1215:A:ARG:HG3	11	0.11
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD11	1:1203:A:LEU:HD23	14	0.11
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD12	1:1203:A:LEU:HD23	14	0.11
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD13	1:1203:A:LEU:HD23	14	0.11
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD21	1:1203:A:LEU:HD23	14	0.11
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD22	1:1203:A:LEU:HD23	14	0.11
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD21	14	0.11
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD22	14	0.11
(1,1462)	1:1197:A:LEU:HD23	1:1203:A:LEU:HD23	14	0.11
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	7	0.11
(1,1460)	1:1197:A:LEU:HD11	1:1203:A:LEU:H	8	0.11
(1,1460)	1:1197:A:LEU:HD12	1:1203:A:LEU:H	8	0.11
(1,1460)	1:1197:A:LEU:HD13	1:1203:A:LEU:H	8	0.11
(1,1460)	1:1197:A:LEU:HD21	1:1203:A:LEU:H	8	0.11
(1,1460)	1:1197:A:LEU:HD22	1:1203:A:LEU:H	8	0.11
(1,1460)	1:1197:A:LEU:HD23	1:1203:A:LEU:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:1169:A:LYS:HA	1:1169:A:LYS:HG2	13	0.11
(1,1362)	1:1169:A:LYS:HA	1:1169:A:LYS:HG3	13	0.11
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	5	0.11
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	5	0.11
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	5	0.11
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG21	1:1205:A:LYS:HG3	5	0.11
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG22	1:1205:A:LYS:HG3	5	0.11
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG2	5	0.11
(1,1355)	1:1168:A:VAL:HG23	1:1205:A:LYS:HG3	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	5	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG11	19	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG12	19	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG13	19	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG21	19	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG22	19	0.11
(1,1339)	1:1166:A:ASN:HA	1:1168:A:VAL:HG23	19	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	2	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	2	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	2	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	2	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	2	0.11
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	2	0.11
(1,1328)	1:1164:A:GLU:HB2	1:1166:A:ASN:HB2	15	0.11
(1,1328)	1:1164:A:GLU:HB3	1:1166:A:ASN:HB2	15	0.11
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	12	0.11
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	12	0.11
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	12	0.11
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	12	0.11
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	12	0.11
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	12	0.11
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG2	17	0.11
(1,1162)	1:1165:A:PHE:HD1	1:1205:A:LYS:HG3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:1209:A:VAL:HG11	1:1210:A:ILE:HG21	5	0.11
(1,1147)	1:1209:A:VAL:HG11	1:1210:A:ILE:HG22	5	0.11
(1,1147)	1:1209:A:VAL:HG11	1:1210:A:ILE:HG23	5	0.11
(1,1147)	1:1209:A:VAL:HG12	1:1210:A:ILE:HG21	5	0.11
(1,1147)	1:1209:A:VAL:HG12	1:1210:A:ILE:HG22	5	0.11
(1,1147)	1:1209:A:VAL:HG12	1:1210:A:ILE:HG23	5	0.11
(1,1147)	1:1209:A:VAL:HG13	1:1210:A:ILE:HG21	5	0.11
(1,1147)	1:1209:A:VAL:HG13	1:1210:A:ILE:HG22	5	0.11
(1,1147)	1:1209:A:VAL:HG13	1:1210:A:ILE:HG23	5	0.11
(1,1084)	1:1204:A:GLU:HG3	1:1205:A:LYS:H	3	0.11
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG2	16	0.11
(1,1046)	1:1165:A:PHE:HB3	1:1205:A:LYS:HG3	16	0.11
(1,1018)	1:1201:A:LYS:H	1:1201:A:LYS:HG3	2	0.11
(1,1001)	1:1187:A:ILE:HG21	1:1188:A:LEU:HG	2	0.11
(1,1001)	1:1187:A:ILE:HG22	1:1188:A:LEU:HG	2	0.11
(1,1001)	1:1187:A:ILE:HG23	1:1188:A:LEU:HG	2	0.11
(1,998)	1:1204:A:GLU:HG2	1:1205:A:LYS:H	20	0.11
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	4	0.11
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	4	0.11
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	4	0.11
(1,971)	1:1209:A:VAL:HG11	1:1210:A:ILE:HB	11	0.11
(1,971)	1:1209:A:VAL:HG12	1:1210:A:ILE:HB	11	0.11
(1,971)	1:1209:A:VAL:HG13	1:1210:A:ILE:HB	11	0.11
(1,960)	1:1237:A:GLN:HA	1:1239:A:VAL:HB	14	0.11
(1,948)	1:1206:A:LEU:HB3	1:1210:A:ILE:HG12	20	0.11
(1,879)	1:1238:A:VAL:HG21	1:1241:A:GLN:HG3	4	0.11
(1,879)	1:1238:A:VAL:HG22	1:1241:A:GLN:HG3	4	0.11
(1,879)	1:1238:A:VAL:HG23	1:1241:A:GLN:HG3	4	0.11
(1,852)	1:1191:A:VAL:HG21	1:1236:A:VAL:HB	17	0.11
(1,852)	1:1191:A:VAL:HG22	1:1236:A:VAL:HB	17	0.11
(1,852)	1:1191:A:VAL:HG23	1:1236:A:VAL:HB	17	0.11
(1,823)	1:1233:A:LEU:HG	1:1237:A:GLN:HA	12	0.11
(1,799)	1:1211:A:LYS:HB2	1:1212:A:TYR:HA	13	0.11
(1,791)	1:1174:A:GLU:H	1:1175:A:TRP:HA	11	0.11
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	7	0.11
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	7	0.11
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	7	0.11
(1,783)	1:1162:A:ALA:HB1	1:1163:A:VAL:HA	8	0.11
(1,783)	1:1162:A:ALA:HB2	1:1163:A:VAL:HA	8	0.11
(1,783)	1:1162:A:ALA:HB3	1:1163:A:VAL:HA	8	0.11
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	2	0.11
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	16	0.11
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	16	0.11
(1,776)	1:1208:A:LEU:HD11	1:1209:A:VAL:HA	7	0.11
(1,776)	1:1208:A:LEU:HD12	1:1209:A:VAL:HA	7	0.11
(1,776)	1:1208:A:LEU:HD13	1:1209:A:VAL:HA	7	0.11
(1,739)	1:1241:A:GLN:HB3	1:1246:A:SER:HA	13	0.11
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD21	3	0.11
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD22	3	0.11
(1,736)	1:1215:A:ARG:HA	1:1216:A:LEU:HD23	3	0.11
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	20	0.11
(1,657)	1:1188:A:LEU:HA	1:1191:A:VAL:H	14	0.11
(1,651)	1:1201:A:LYS:HA	1:1203:A:LEU:H	20	0.11
(1,641)	1:1185:A:GLU:HA	1:1188:A:LEU:H	4	0.11
(1,640)	1:1203:A:LEU:HB2	1:1204:A:GLU:HA	18	0.11
(1,636)	1:1234:A:ASP:HA	1:1237:A:GLN:HB2	18	0.11
(1,614)	1:1188:A:LEU:HA	1:1232:A:ILE:HA	16	0.11
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD11	14	0.11
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD12	14	0.11
(1,554)	1:1160:A:ALA:HA	1:1172:A:LEU:HD13	14	0.11
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG2	20	0.11
(1,551)	1:1181:A:ASP:HA	1:1182:A:PRO:HG3	20	0.11
(1,534)	1:1165:A:PHE:HA	1:1166:A:ASN:HB2	7	0.11
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	5	0.11
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	5	0.11
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	5	0.11
(1,511)	1:1165:A:PHE:HB3	1:1166:A:ASN:HB2	19	0.11
(1,433)	1:1242:A:GLN:HA	1:1242:A:GLN:HG2	11	0.11
(1,431)	1:1241:A:GLN:HA	1:1241:A:GLN:HG2	12	0.11
(1,358)	1:1221:A:VAL:HG11	1:1222:A:GLU:H	17	0.11
(1,358)	1:1221:A:VAL:HG12	1:1222:A:GLU:H	17	0.11
(1,358)	1:1221:A:VAL:HG13	1:1222:A:GLU:H	17	0.11
(1,339)	1:1191:A:VAL:HG11	1:1195:A:THR:H	19	0.11
(1,339)	1:1191:A:VAL:HG12	1:1195:A:THR:H	19	0.11
(1,339)	1:1191:A:VAL:HG13	1:1195:A:THR:H	19	0.11
(1,325)	1:1171:A:LEU:HB3	1:1173:A:ARG:H	12	0.11
(1,293)	1:1210:A:ILE:HD11	1:1213:A:MET:H	4	0.11
(1,293)	1:1210:A:ILE:HD12	1:1213:A:MET:H	4	0.11
(1,293)	1:1210:A:ILE:HD13	1:1213:A:MET:H	4	0.11
(1,269)	1:1208:A:LEU:H	1:1209:A:VAL:HB	20	0.11
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	3	0.11
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	3	0.11
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:1207:A:ASP:HA	1:1210:A:ILE:H	18	0.11
(1,213)	1:1209:A:VAL:HB	1:1210:A:ILE:H	4	0.11
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD21	8	0.11
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD22	8	0.11
(1,174)	1:1207:A:ASP:H	1:1208:A:LEU:HD23	8	0.11
(1,171)	1:1207:A:ASP:H	1:1208:A:LEU:HG	11	0.11
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD21	6	0.11
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD22	6	0.11
(1,168)	1:1202:A:ASP:H	1:1203:A:LEU:HD23	6	0.11
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	14	0.11
(1,167)	1:1202:A:ASP:H	1:1203:A:LEU:HG	18	0.11
(1,164)	1:1202:A:ASP:H	1:1203:A:LEU:H	19	0.11
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG11	19	0.11
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG12	19	0.11
(1,149)	1:1162:A:ALA:H	1:1168:A:VAL:HG13	19	0.11
(1,123)	1:1189:A:GLN:H	1:1189:A:GLN:HE22	11	0.11
(2,92)	1:1162:A:ALA:O	1:1159:A:LEU:N	4	0.1
(2,89)	1:1159:A:LEU:O	1:1162:A:ALA:H	17	0.1
(2,83)	1:1237:A:GLN:O	1:1241:A:GLN:H	4	0.1
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	17	0.1
(2,81)	1:1236:A:VAL:O	1:1240:A:LEU:H	20	0.1
(2,80)	1:1235:A:ASN:O	1:1239:A:VAL:N	12	0.1
(2,74)	1:1232:A:ILE:O	1:1236:A:VAL:N	9	0.1
(2,73)	1:1232:A:ILE:O	1:1236:A:VAL:H	16	0.1
(2,72)	1:1231:A:PHE:O	1:1235:A:ASN:N	6	0.1
(2,71)	1:1231:A:PHE:O	1:1235:A:ASN:H	17	0.1
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	3	0.1
(2,70)	1:1230:A:ASP:O	1:1234:A:ASP:N	10	0.1
(2,59)	1:1225:A:TRP:O	1:1229:A:PHE:H	10	0.1
(2,53)	1:1213:A:MET:O	1:1217:A:MET:H	9	0.1
(2,53)	1:1213:A:MET:O	1:1217:A:MET:H	17	0.1
(2,48)	1:1210:A:ILE:O	1:1214:A:LYS:N	7	0.1
(2,47)	1:1210:A:ILE:O	1:1214:A:LYS:H	13	0.1
(2,46)	1:1209:A:VAL:O	1:1213:A:MET:N	4	0.1
(2,44)	1:1208:A:LEU:O	1:1212:A:TYR:N	10	0.1
(2,41)	1:1207:A:ASP:O	1:1211:A:LYS:H	9	0.1
(2,33)	1:1173:A:ARG:O	1:1177:A:THR:H	8	0.1
(2,31)	1:1172:A:LEU:O	1:1176:A:ILE:H	3	0.1
(2,26)	1:1169:A:LYS:O	1:1173:A:ARG:N	18	0.1
(2,24)	1:1168:A:VAL:O	1:1172:A:LEU:N	14	0.1
(2,22)	1:1167:A:ASP:O	1:1171:A:LEU:N	15	0.1
(2,20)	1:1166:A:ASN:O	1:1170:A:THR:N	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	9	0.1
(2,19)	1:1166:A:ASN:O	1:1170:A:THR:H	14	0.1
(2,14)	1:1193:A:TYR:O	1:1197:A:LEU:N	20	0.1
(2,11)	1:1192:A:LYS:O	1:1196:A:ASP:H	8	0.1
(2,7)	1:1190:A:VAL:O	1:1194:A:CYS:H	1	0.1
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD11	1:1249:A:LYS:HB3	19	0.1
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD12	1:1249:A:LYS:HB3	19	0.1
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD13	1:1249:A:LYS:HB3	19	0.1
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD21	1:1249:A:LYS:HB3	19	0.1
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD22	1:1249:A:LYS:HB3	19	0.1
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB2	19	0.1
(1,1720)	1:1248:A:LEU:HD23	1:1249:A:LYS:HB3	19	0.1
(1,1674)	1:1237:A:GLN:HE21	1:1248:A:LEU:H	1	0.1
(1,1674)	1:1237:A:GLN:HE22	1:1248:A:LEU:H	1	0.1
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	3	0.1
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	3	0.1
(1,1614)	1:1227:A:MET:HG2	1:1228:A:ALA:H	14	0.1
(1,1614)	1:1227:A:MET:HG3	1:1228:A:ALA:H	14	0.1
(1,1422)	1:1190:A:VAL:HG11	1:1193:A:TYR:H	13	0.1
(1,1422)	1:1190:A:VAL:HG12	1:1193:A:TYR:H	13	0.1
(1,1422)	1:1190:A:VAL:HG13	1:1193:A:TYR:H	13	0.1
(1,1422)	1:1190:A:VAL:HG21	1:1193:A:TYR:H	13	0.1
(1,1422)	1:1190:A:VAL:HG22	1:1193:A:TYR:H	13	0.1
(1,1422)	1:1190:A:VAL:HG23	1:1193:A:TYR:H	13	0.1
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE2	16	0.1
(1,1333)	1:1165:A:PHE:HB2	1:1205:A:LYS:HE3	16	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG11	14	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG12	14	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG13	14	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG21	14	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG22	14	0.1
(1,1330)	1:1165:A:PHE:HA	1:1168:A:VAL:HG23	14	0.1
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG21	14	0.1
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG22	14	0.1
(1,1262)	1:1193:A:TYR:HB2	1:1209:A:VAL:HG23	14	0.1
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG21	14	0.1
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG22	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:1193:A:TYR:HB3	1:1209:A:VAL:HG23	14	0.1
(1,1261)	1:1209:A:VAL:HG21	1:1210:A:ILE:HB	10	0.1
(1,1261)	1:1209:A:VAL:HG22	1:1210:A:ILE:HB	10	0.1
(1,1261)	1:1209:A:VAL:HG23	1:1210:A:ILE:HB	10	0.1
(1,1185)	1:1198:A:ILE:HG21	1:1240:A:LEU:HB2	1	0.1
(1,1185)	1:1198:A:ILE:HG22	1:1240:A:LEU:HB2	1	0.1
(1,1185)	1:1198:A:ILE:HG23	1:1240:A:LEU:HB2	1	0.1
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG2	1	0.1
(1,1160)	1:1168:A:VAL:HG11	1:1205:A:LYS:HG3	1	0.1
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG2	1	0.1
(1,1160)	1:1168:A:VAL:HG12	1:1205:A:LYS:HG3	1	0.1
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG2	1	0.1
(1,1160)	1:1168:A:VAL:HG13	1:1205:A:LYS:HG3	1	0.1
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD11	6	0.1
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD12	6	0.1
(1,1062)	1:1194:A:CYS:HB2	1:1198:A:ILE:HD13	6	0.1
(1,1034)	1:1187:A:ILE:HD11	1:1188:A:LEU:H	8	0.1
(1,1034)	1:1187:A:ILE:HD12	1:1188:A:LEU:H	8	0.1
(1,1034)	1:1187:A:ILE:HD13	1:1188:A:LEU:H	8	0.1
(1,1034)	1:1187:A:ILE:HD11	1:1188:A:LEU:H	17	0.1
(1,1034)	1:1187:A:ILE:HD12	1:1188:A:LEU:H	17	0.1
(1,1034)	1:1187:A:ILE:HD13	1:1188:A:LEU:H	17	0.1
(1,943)	1:1240:A:LEU:H	1:1240:A:LEU:HB3	19	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	6	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	6	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	6	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD11	11	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD12	11	0.1
(1,904)	1:1173:A:ARG:HD3	1:1216:A:LEU:HD13	11	0.1
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD2	8	0.1
(1,871)	1:1249:A:LYS:HA	1:1249:A:LYS:HD3	8	0.1
(1,815)	1:1237:A:GLN:HB3	1:1247:A:THR:HB	20	0.1
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB2	12	0.1
(1,780)	1:1224:A:VAL:HA	1:1226:A:ASN:HB3	12	0.1
(1,759)	1:1241:A:GLN:HA	1:1247:A:THR:HA	19	0.1
(1,725)	1:1242:A:GLN:HA	1:1244:A:TYR:H	12	0.1
(1,720)	1:1216:A:LEU:HA	1:1219:A:GLN:HA	12	0.1
(1,657)	1:1188:A:LEU:HA	1:1191:A:VAL:H	4	0.1
(1,657)	1:1188:A:LEU:HA	1:1191:A:VAL:H	8	0.1
(1,640)	1:1203:A:LEU:HB2	1:1204:A:GLU:HA	15	0.1
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD11	16	0.1
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD12	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:1185:A:GLU:HA	1:1188:A:LEU:HD13	16	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	11	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	11	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	11	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG11	20	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG12	20	0.1
(1,512)	1:1233:A:LEU:HA	1:1236:A:VAL:HG13	20	0.1
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD2	18	0.1
(1,503)	1:1214:A:LYS:HA	1:1214:A:LYS:HD3	18	0.1
(1,483)	1:1191:A:VAL:HA	1:1194:A:CYS:H	4	0.1
(1,403)	1:1201:A:LYS:HA	1:1244:A:TYR:HE1	4	0.1
(1,357)	1:1208:A:LEU:HD21	1:1209:A:VAL:H	20	0.1
(1,357)	1:1208:A:LEU:HD22	1:1209:A:VAL:H	20	0.1
(1,357)	1:1208:A:LEU:HD23	1:1209:A:VAL:H	20	0.1
(1,219)	1:1228:A:ALA:HB1	1:1232:A:ILE:H	14	0.1
(1,219)	1:1228:A:ALA:HB2	1:1232:A:ILE:H	14	0.1
(1,219)	1:1228:A:ALA:HB3	1:1232:A:ILE:H	14	0.1
(1,164)	1:1202:A:ASP:H	1:1203:A:LEU:H	9	0.1
(1,112)	1:1225:A:TRP:HE3	1:1229:A:PHE:H	20	0.1
(1,89)	1:1187:A:ILE:HG21	1:1232:A:ILE:H	10	0.1
(1,89)	1:1187:A:ILE:HG22	1:1232:A:ILE:H	10	0.1
(1,89)	1:1187:A:ILE:HG23	1:1232:A:ILE:H	10	0.1
(1,76)	1:1251:A:THR:H	1:1251:A:THR:HG21	18	0.1
(1,76)	1:1251:A:THR:H	1:1251:A:THR:HG22	18	0.1
(1,76)	1:1251:A:THR:H	1:1251:A:THR:HG23	18	0.1

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

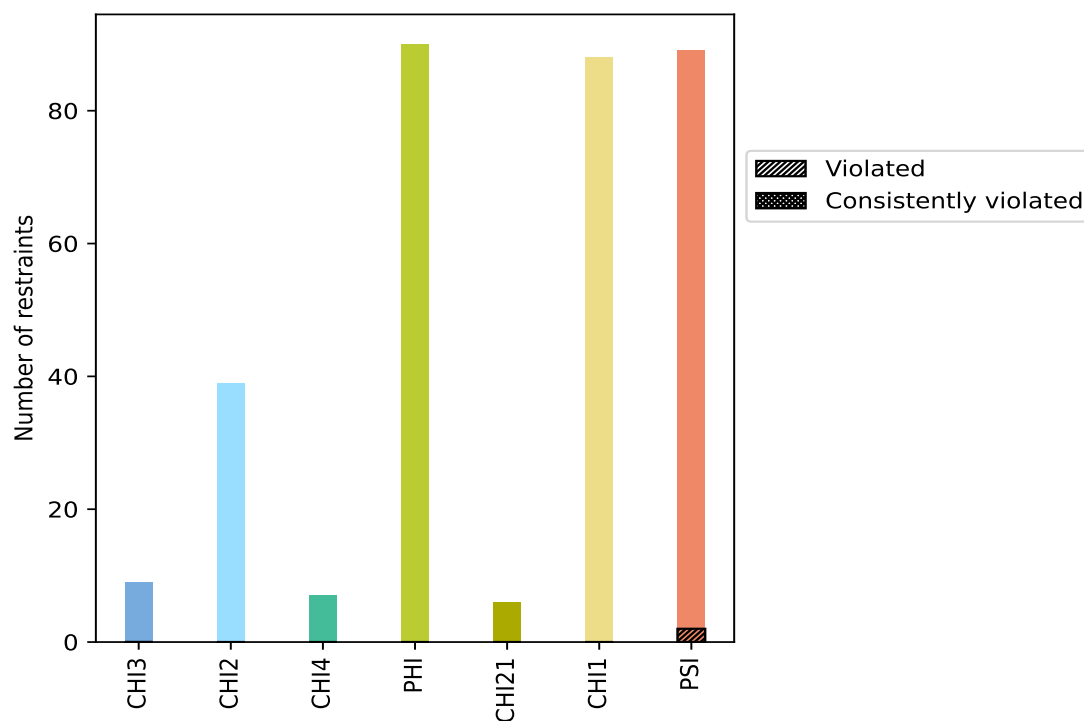
10.1 Summary of dihedral-angle violations [i](#)

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
CHI3	9	2.7	0	0.0	0.0	0	0.0	0.0
CHI2	39	11.9	0	0.0	0.0	0	0.0	0.0
CHI4	7	2.1	0	0.0	0.0	0	0.0	0.0
PHI	90	27.4	0	0.0	0.0	0	0.0	0.0
CHI21	6	1.8	0	0.0	0.0	0	0.0	0.0
CHI1	88	26.8	0	0.0	0.0	0	0.0	0.0
PSI	89	27.1	2	2.2	0.6	0	0.0	0.0
Total	328	100.0	2	0.6	0.6	0	0.0	0.0

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](#)



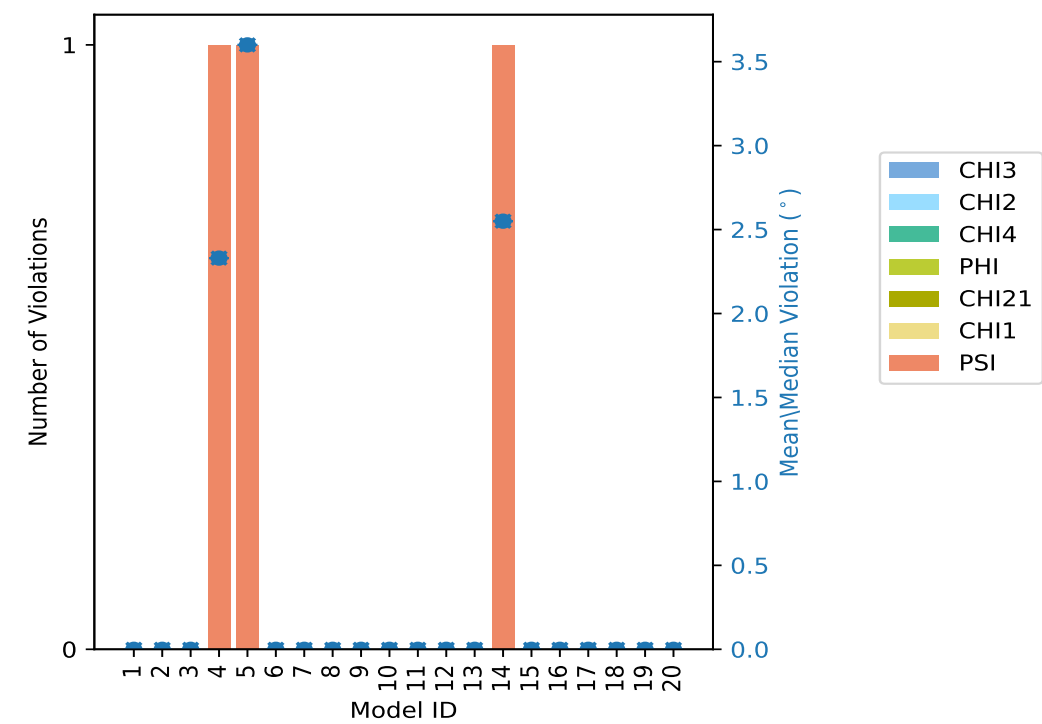
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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 (°)
	CHI3	CHI2	CHI4	PHI	CHI21	CHI1	PSI	Total				
1	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
2	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
3	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
4	0	0	0	0	0	0	1	1	2.33	2.33	0.0	2.33
5	0	0	0	0	0	0	1	1	3.6	3.6	0.0	3.6
6	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
7	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
8	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
9	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
10	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
11	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
12	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
13	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
14	0	0	0	0	0	0	1	1	2.55	2.55	0.0	2.55
15	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
16	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
17	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
18	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
19	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0
20	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

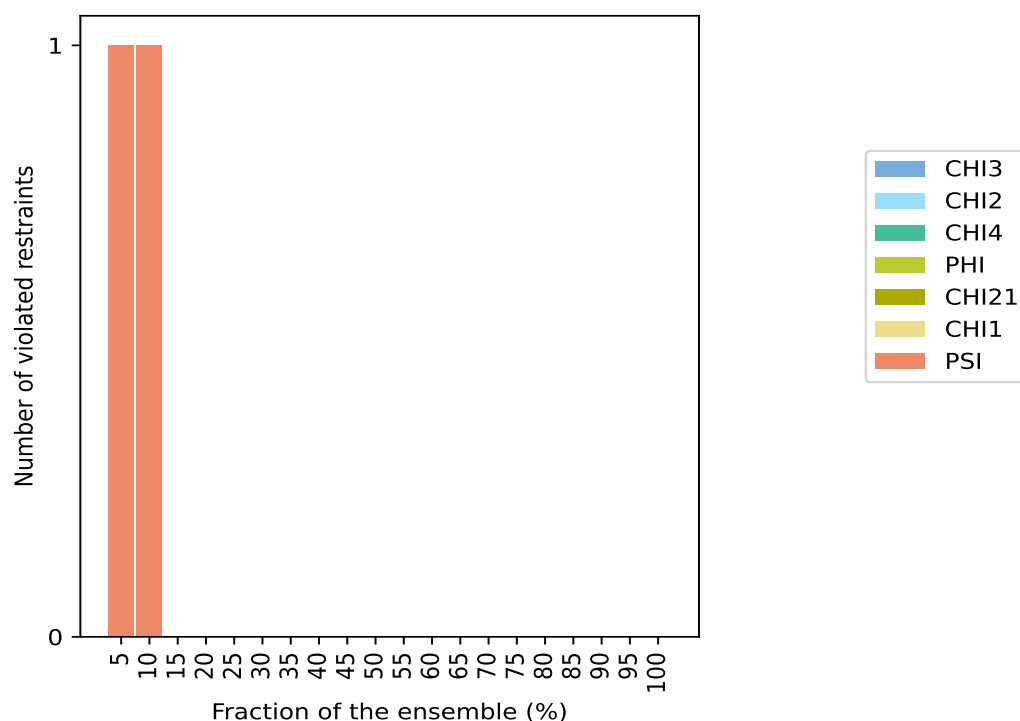
10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints								Fraction of the ensemble	
CHI3	CHI2	CHI4	PHI	CHI21	CHI1	PSI	Total	Count ¹	%
0	0	0	0	0	0	1	1	1	5.0
0	0	0	0	0	0	1	1	2	10.0
0	0	0	0	0	0	0	0	3	15.0
0	0	0	0	0	0	0	0	4	20.0
0	0	0	0	0	0	0	0	5	25.0
0	0	0	0	0	0	0	0	6	30.0
0	0	0	0	0	0	0	0	7	35.0
0	0	0	0	0	0	0	0	8	40.0
0	0	0	0	0	0	0	0	9	45.0
0	0	0	0	0	0	0	0	10	50.0
0	0	0	0	0	0	0	0	11	55.0
0	0	0	0	0	0	0	0	12	60.0
0	0	0	0	0	0	0	0	13	65.0
0	0	0	0	0	0	0	0	14	70.0
0	0	0	0	0	0	0	0	15	75.0
0	0	0	0	0	0	0	0	16	80.0
0	0	0	0	0	0	0	0	17	85.0
0	0	0	0	0	0	0	0	18	90.0
0	0	0	0	0	0	0	0	19	95.0
0	0	0	0	0	0	0	0	20	100.0

¹ Number of models with violations

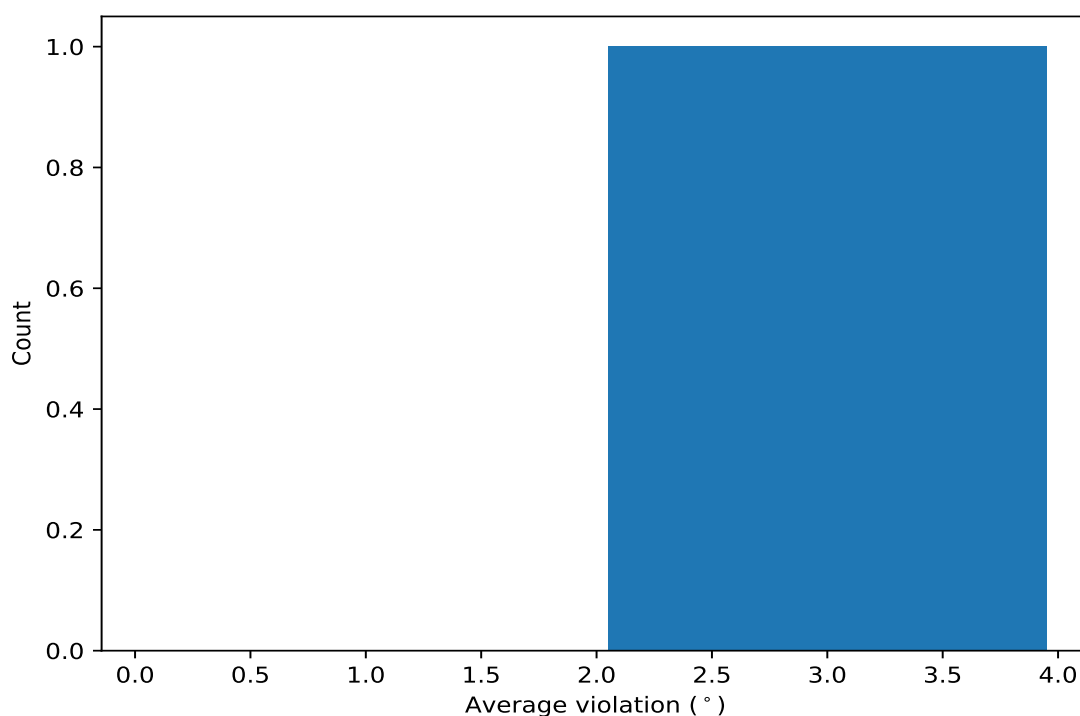
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



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
(1,172)	1:1247:A:THR:N	1:1247:A:THR:CA	1:1247:A:THR:C	1:1248:A:LEU:N	2	2.96	0.64	2.96

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.

Data insufficient to plot histogram

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 (°)
(1,172)	1:1247:A:THR:N	1:1247:A:THR:CA	1:1247:A:THR:C	1:1248:A:LEU:N	5	3.6
(1,2)	1:1158:A:ASN:N	1:1158:A:ASN:CA	1:1158:A:ASN:C	1:1159:A:LEU:N	14	2.55
(1,172)	1:1247:A:THR:N	1:1247:A:THR:CA	1:1247:A:THR:C	1:1248:A:LEU:N	4	2.33