



Full wwPDB NMR Structure Validation Report ⓘ

Apr 30, 2026 – 02:21 PM JST

PDB ID : 9WPS / pdb_00009wps
BMRB ID : 36787
Title : Solution structure of the complex between the UBA-like domain of mouse HBS1L and ubiquitin
Authors : He, F.; Takahashi, M.; Tsuda, K.; Nagata, T.; Tanaka, A.; Kobayashi, N.; Kigawa, T.; Guntert, P.; Shirouzu, M.; Nameki, N.; Yokoyama, S.; Kuwasako, K.; Muto, Y.; RIKEN Structural Genomics/Proteomics Initiative (RSGI)
Deposited on : 2025-09-09

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We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4-5-2 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

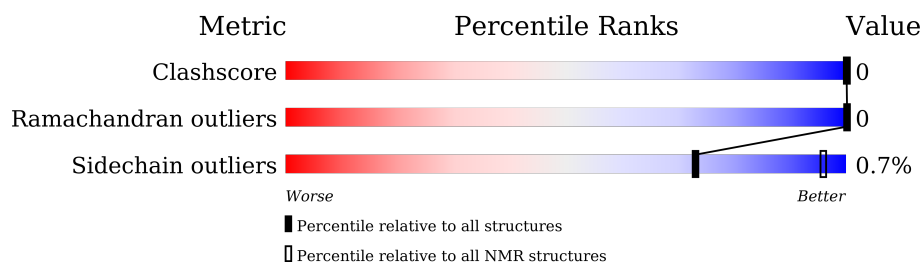
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 93%.

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	83	<div> <div style="width: 54%; background-color: red;"></div> <div style="width: 46%; background-color: cyan;"></div> <div>54%46%</div> </div>
2	B	83	<div> <div style="width: 86%; background-color: green;"></div> <div style="width: 14%; background-color: cyan;"></div> <div>86%14%</div> </div>

2 Ensemble composition and analysis

This entry contains 20 models. Model 3 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:30-A:74, B:91-B:161 (116)	0.49	3

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

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

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

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

3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 2523 atoms, of which 1256 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called HBS1-like protein.

Mol	Chain	Residues	Atoms						Trace
1	A	83	Total	C	H	N	O	S	0
			1227	383	598	107	137	2	

There are 13 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP Q69ZS7
A	2	SER	-	expression tag	UNP Q69ZS7
A	3	SER	-	expression tag	UNP Q69ZS7
A	4	GLY	-	expression tag	UNP Q69ZS7
A	5	SER	-	expression tag	UNP Q69ZS7
A	6	SER	-	expression tag	UNP Q69ZS7
A	7	GLY	-	expression tag	UNP Q69ZS7
A	78	SER	-	expression tag	UNP Q69ZS7
A	79	GLY	-	expression tag	UNP Q69ZS7
A	80	PRO	-	expression tag	UNP Q69ZS7
A	81	SER	-	expression tag	UNP Q69ZS7
A	82	SER	-	expression tag	UNP Q69ZS7
A	83	GLY	-	expression tag	UNP Q69ZS7

- Molecule 2 is a protein called Ubiquitin-ribosomal protein eS31 fusion protein.

Mol	Chain	Residues	Atoms						Trace
2	B	83	Total	C	H	N	O	S	0
			1296	396	658	112	129	1	

There are 7 discrepancies between the modelled and reference sequences:

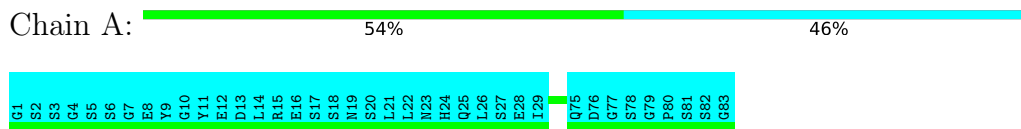
Chain	Residue	Modelled	Actual	Comment	Reference
B	84	GLY	-	expression tag	UNP A0A8T3DNP6
B	85	SER	-	expression tag	UNP A0A8T3DNP6
B	86	SER	-	expression tag	UNP A0A8T3DNP6
B	87	GLY	-	expression tag	UNP A0A8T3DNP6
B	88	SER	-	expression tag	UNP A0A8T3DNP6
B	89	SER	-	expression tag	UNP A0A8T3DNP6
B	90	GLY	-	expression tag	UNP A0A8T3DNP6

4 Residue-property plots

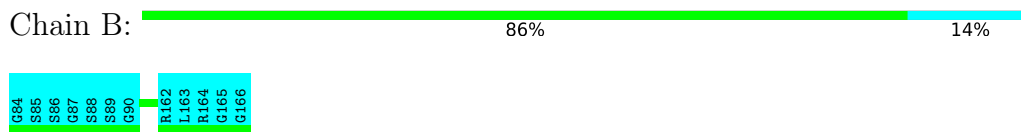
4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

- Molecule 1: HBS1-like protein



- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

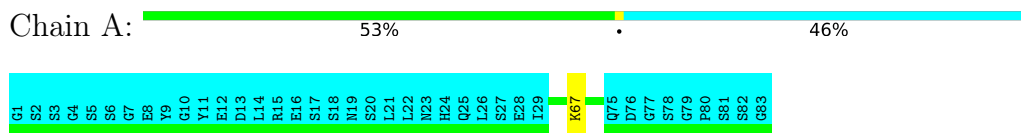


4.2 Scores per residue for each member of the ensemble

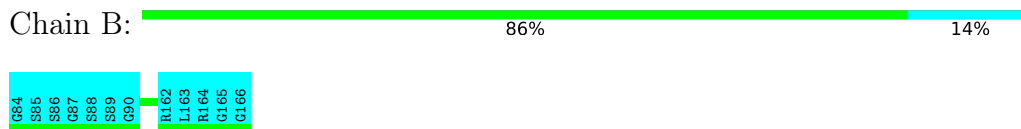
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: HBS1-like protein

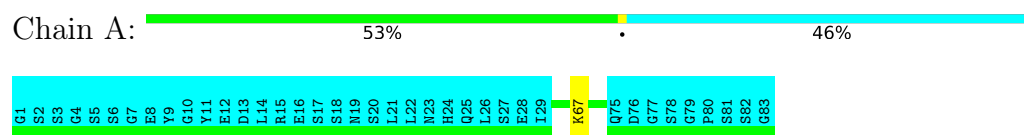


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

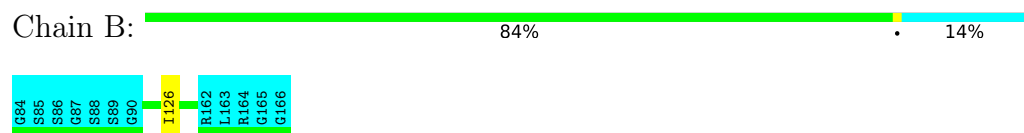


4.2.5 Score per residue for model 5

- Molecule 1: HBS1-like protein

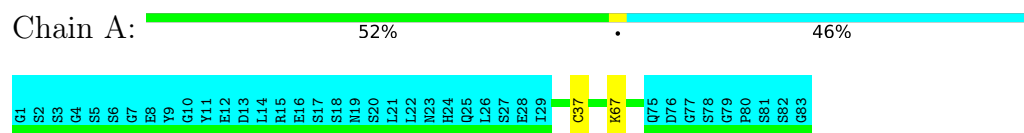


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

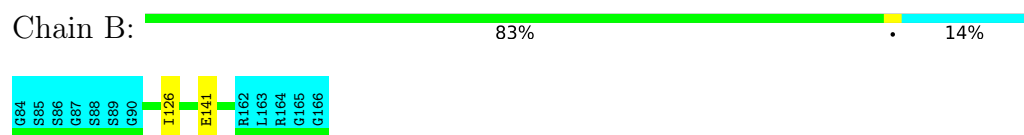


4.2.6 Score per residue for model 6

- Molecule 1: HBS1-like protein

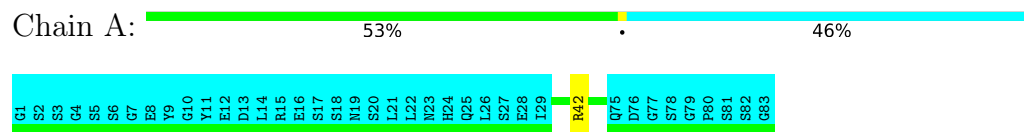


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

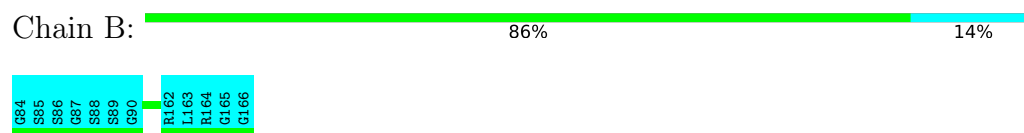


4.2.7 Score per residue for model 7

- Molecule 1: HBS1-like protein

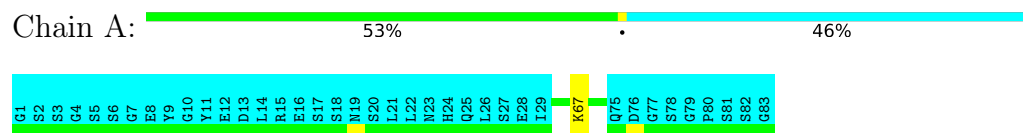


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

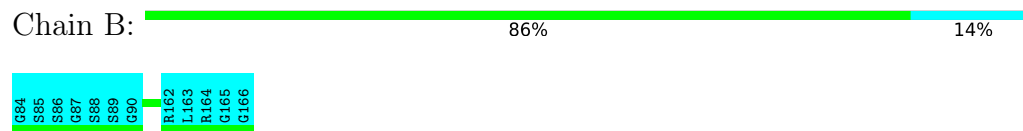


4.2.8 Score per residue for model 8

- Molecule 1: HBS1-like protein

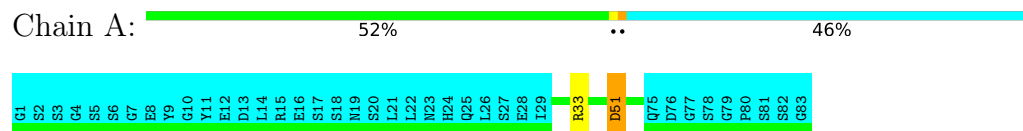


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

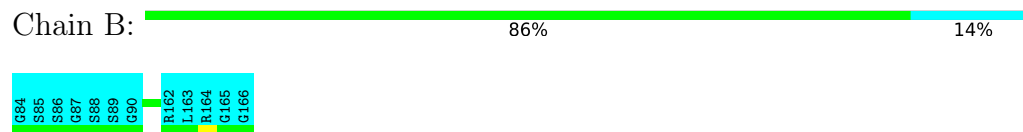


4.2.9 Score per residue for model 9

- Molecule 1: HBS1-like protein

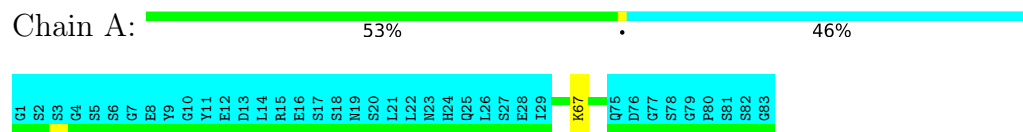


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

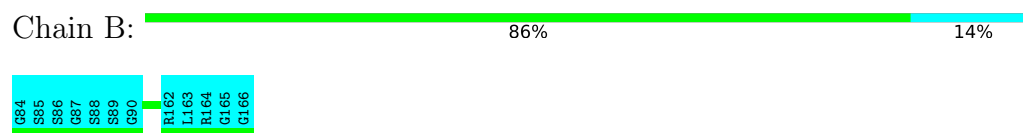


4.2.10 Score per residue for model 10

- Molecule 1: HBS1-like protein

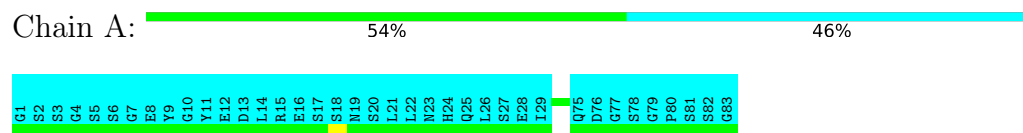


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

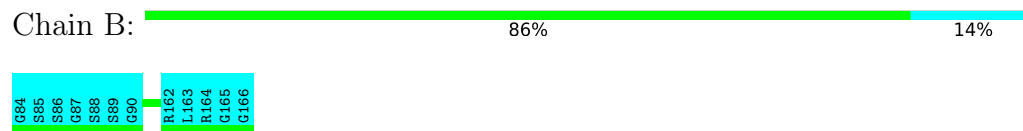


4.2.11 Score per residue for model 11

- Molecule 1: HBS1-like protein

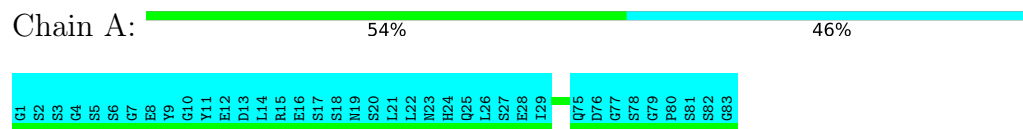


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

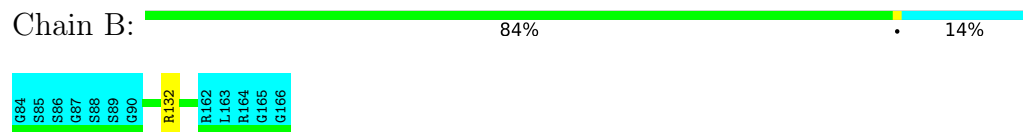


4.2.12 Score per residue for model 12

- Molecule 1: HBS1-like protein

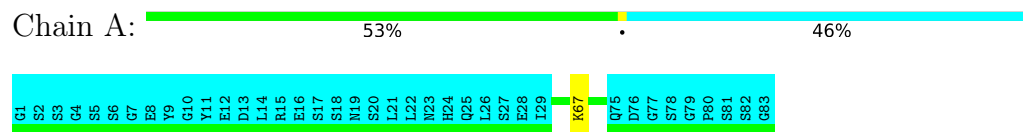


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

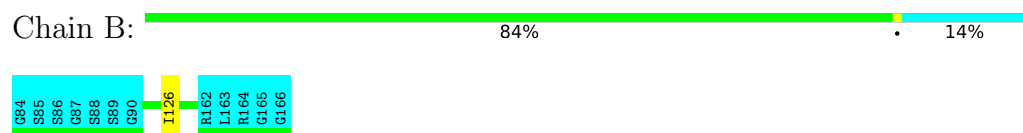


4.2.13 Score per residue for model 13

- Molecule 1: HBS1-like protein

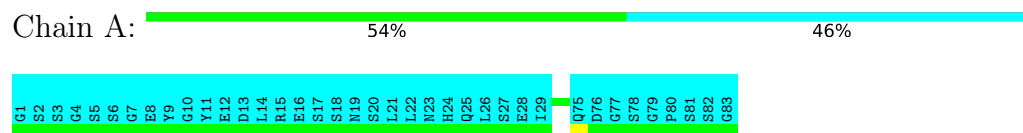


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

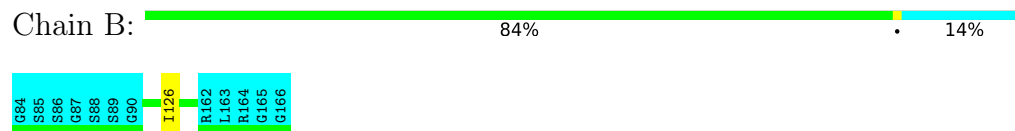


4.2.14 Score per residue for model 14

- Molecule 1: HBS1-like protein

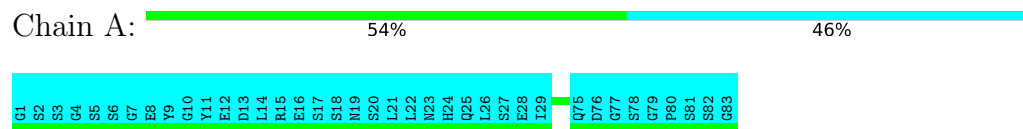


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

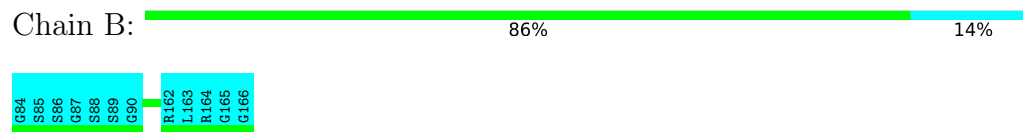


4.2.15 Score per residue for model 15

- Molecule 1: HBS1-like protein

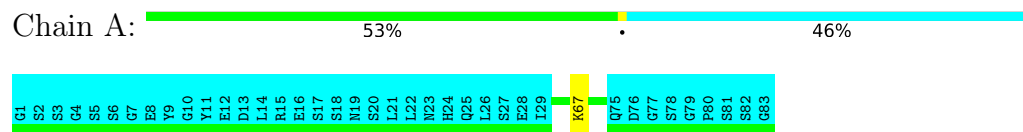


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

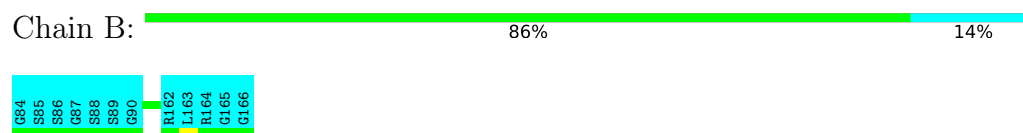


4.2.16 Score per residue for model 16

- Molecule 1: HBS1-like protein

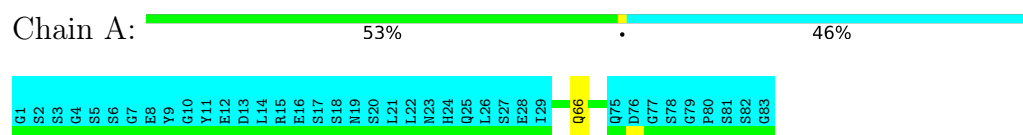


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

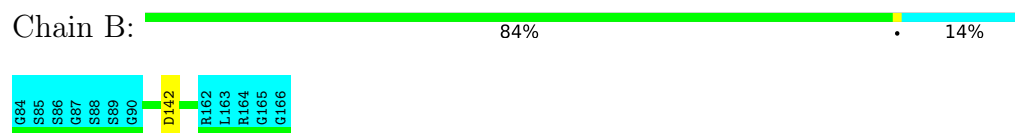


4.2.17 Score per residue for model 17

- Molecule 1: HBS1-like protein

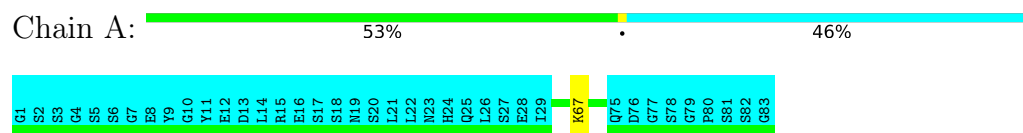


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

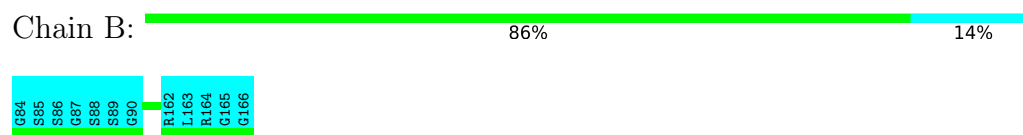


4.2.18 Score per residue for model 18

- Molecule 1: HBS1-like protein

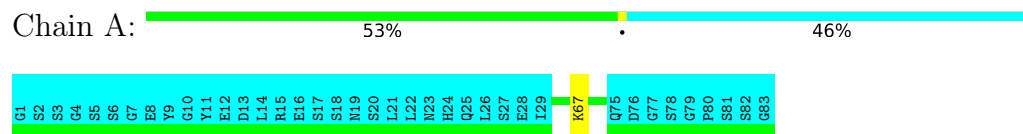


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

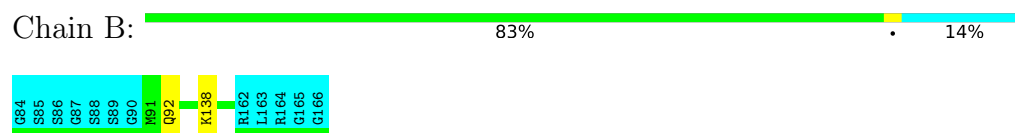


4.2.19 Score per residue for model 19

- Molecule 1: HBS1-like protein

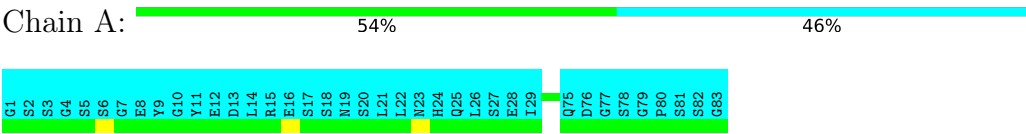


- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein

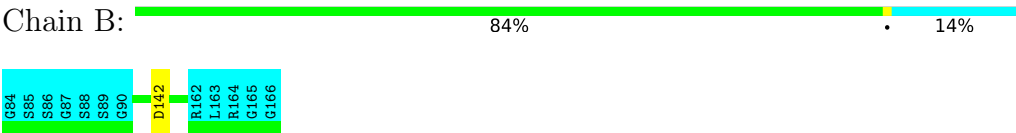


4.2.20 Score per residue for model 20

- Molecule 1: HBS1-like protein



- Molecule 2: Ubiquitin-ribosomal protein eS31 fusion protein



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
Amber	refinement	24
CYANA	structure calculation	2.1
TALOS	geometry optimization	2007

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	1924
Number of shifts mapped to atoms	1924
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	93%

6 Model quality

6.1 Standard geometry

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	0.79±0.01	0±0/361 (0.0± 0.0%)	1.49±0.02	0±1/489 (0.0± 0.1%)
2	B	0.79±0.01	0±0/570 (0.0± 0.0%)	1.33±0.02	1±1/770 (0.1± 0.2%)
All	All	0.79	0/18620 (0.0%)	1.40	21/25180 (0.1%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.1±0.2
2	B	0.0±0.0	0.1±0.2
All	All	0	2

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
2	B	126	ILE	CA-C-N	5.57	123.67	119.66	4	6
2	B	126	ILE	C-N-CA	5.57	123.67	119.66	4	6
2	B	132	ARG	NE-CZ-NH2	5.47	124.12	119.20	4	1
2	B	141	GLU	CA-C-N	5.18	127.47	120.38	6	1
2	B	141	GLU	C-N-CA	5.18	127.47	120.38	6	1
1	A	51	ASP	CA-CB-CG	5.10	117.70	112.60	9	1
1	A	37	CYS	CA-C-N	5.08	127.04	120.44	6	1
1	A	37	CYS	C-N-CA	5.08	127.04	120.44	6	1
2	B	142	ASP	CA-CB-CG	5.07	117.67	112.60	20	2
1	A	33	ARG	NE-CZ-NH2	5.03	123.73	119.20	9	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	42	ARG	Sidechain	1
2	B	132	ARG	Sidechain	1

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
All	All	18380	18880	18880	-

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 -.

There are no clashes.

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	45/83 (54%)	44±0 (98±0%)	1±0 (2±0%)	0±0 (0±0%)	100	100
2	B	71/83 (86%)	71±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
All	All	2320/3320 (70%)	2299 (99%)	21 (1%)	0 (0%)	100	100

There are no Ramachandran outliers.

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	40/71 (56%)	39±0 (99±1%)	1±0 (1±1%)	57	93
2	B	65/72 (90%)	65±0 (100±1%)	0±0 (0±1%)	85	97
All	All	2100/2860 (73%)	2086 (99%)	14 (1%)	73	96

All 6 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	67	LYS	9
2	B	150	ASN	1
1	A	51	ASP	1
1	A	66	GLN	1
2	B	92	GLN	1
2	B	138	LYS	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

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 93% for the well-defined parts and 89% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *HBS1-UBQ*

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	1924
Number of shifts mapped to atoms	1924
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	156	-0.31 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	143	0.12 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}'$	154	-0.17 ± 0.14	None needed (< 0.5 ppm)
^{15}N	143	0.32 ± 0.36	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 93%, i.e. 1515 atoms were assigned a chemical shift out of a possible 1621. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	571/577 (99%)	231/233 (99%)	231/232 (100%)	109/112 (97%)
Sidechain	899/975 (92%)	613/633 (97%)	276/310 (89%)	10/32 (31%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	45/69 (65%)	23/35 (66%)	22/31 (71%)	0/3 (0%)
Overall	1515/1621 (93%)	867/901 (96%)	529/573 (92%)	119/147 (81%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 89%, i.e. 1924 atoms were assigned a chemical shift out of a possible 2171. 0 out of 29 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	762/837 (91%)	309/344 (90%)	310/332 (93%)	143/161 (89%)
Sidechain	1099/1240 (89%)	747/802 (93%)	340/393 (87%)	12/45 (27%)
Aromatic	63/94 (67%)	32/47 (68%)	31/43 (72%)	0/4 (0%)
Overall	1924/2171 (89%)	1088/1193 (91%)	681/768 (89%)	155/210 (74%)

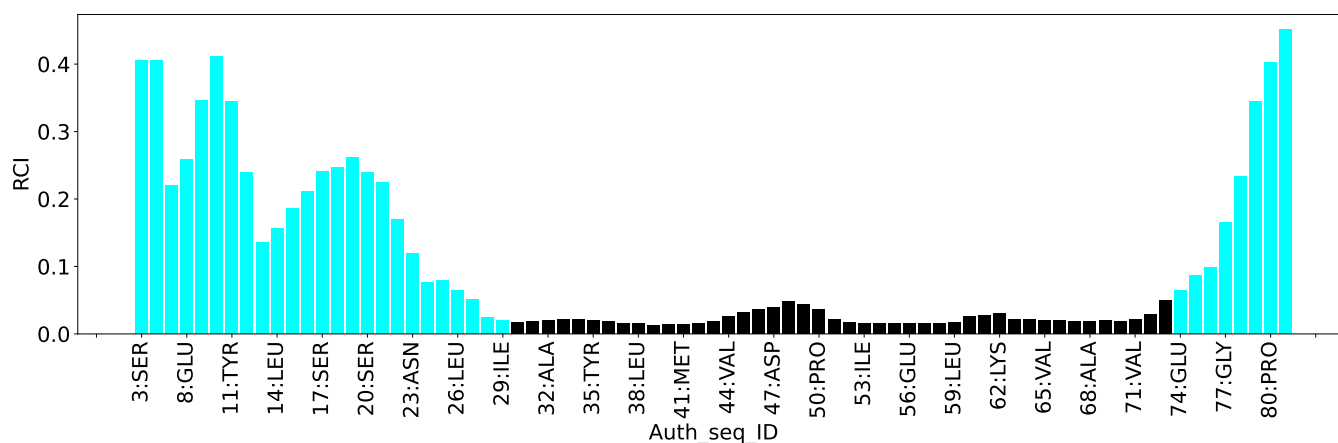
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

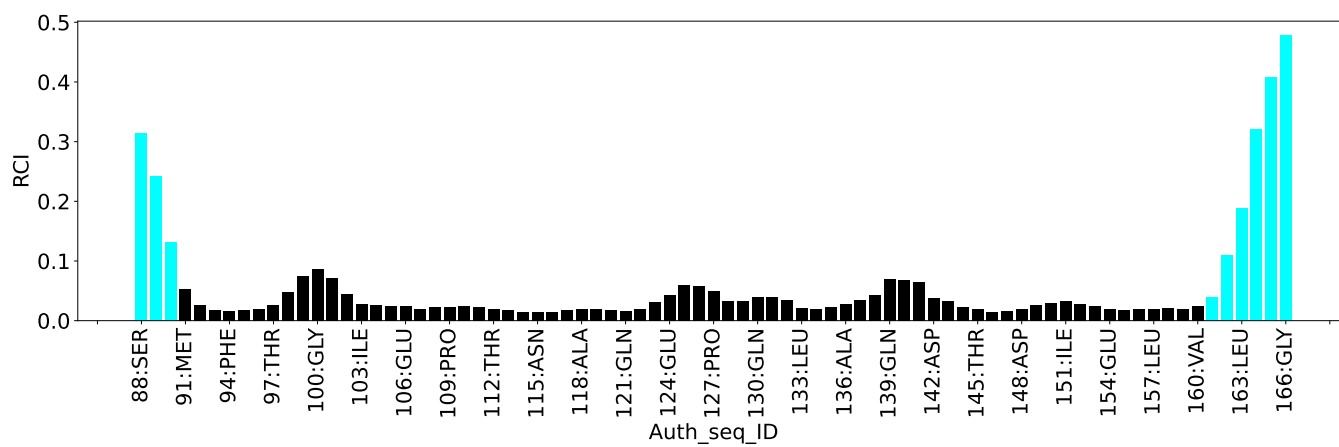
7.1.5 Random Coil Index (RCI) plots [i](#)

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

Random coil index (RCI) for chain A:



Random coil index (RCI) for chain B:



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	6687
Intra-residue ($ i-j =0$)	1535
Sequential ($ i-j =1$)	1721
Medium range ($ i-j >1$ and $ i-j <5$)	1340
Long range ($ i-j \geq 5$)	2023
Inter-chain	68
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	969
Number of unmapped restraints	0
Number of restraints per residue	46.1
Number of long range restraints per residue ¹	12.2

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)	66.8	0.2
0.2-0.5 (Medium)	147.7	0.5
>0.5 (Large)	249.8	2.81

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)	12.8	9.71
10.0-20.0 (Medium)	1.1	18.04
>20.0 (Large)	205.0	134.25

9 Distance violation analysis ⓘ

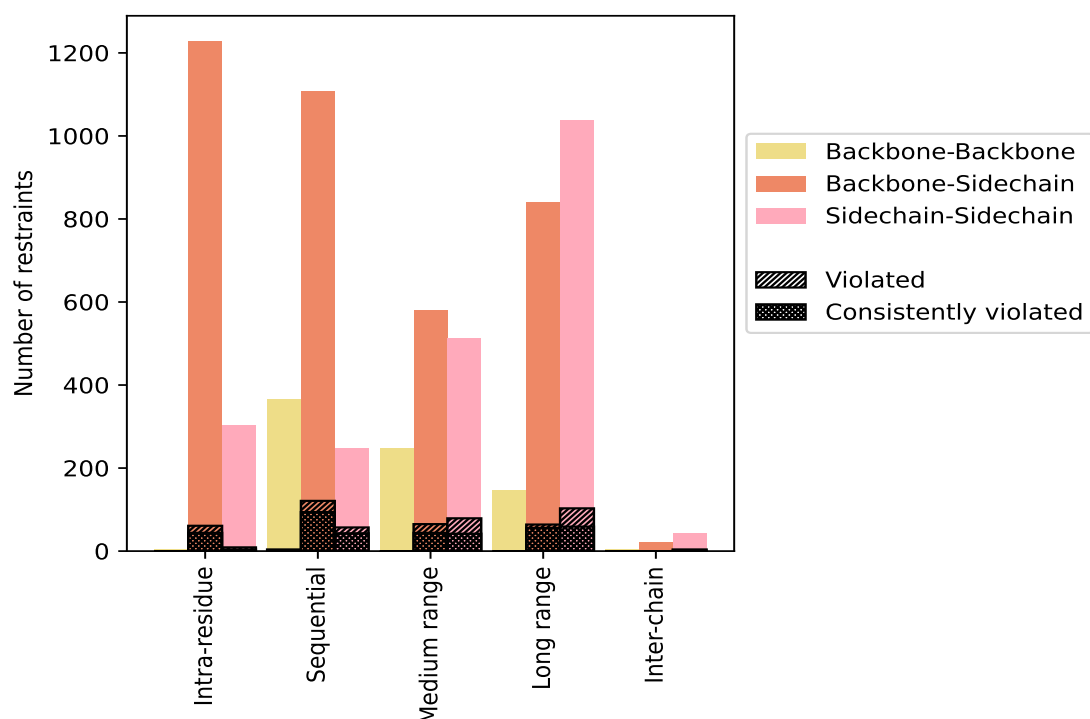
9.1 Summary of distance violations ⓘ

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 ($i-j =0$)	1535	23.0	70	4.6	1.0	48	3.1	0.7
Backbone-Backbone	4	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	1228	18.4	61	5.0	0.9	44	3.6	0.7
Sidechain-Sidechain	303	4.5	9	3.0	0.1	4	1.3	0.1
Sequential ($i-j =1$)	1721	25.7	182	10.6	2.7	137	8.0	2.0
Backbone-Backbone	365	5.5	4	1.1	0.1	0	0.0	0.0
Backbone-Sidechain	1108	16.6	121	10.9	1.8	94	8.5	1.4
Sidechain-Sidechain	248	3.7	57	23.0	0.9	43	17.3	0.6
Medium range ($i-j >1$ & $i-j <5$)	1340	20.0	144	10.7	2.2	86	6.4	1.3
Backbone-Backbone	248	3.7	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	579	8.7	65	11.2	1.0	44	7.6	0.7
Sidechain-Sidechain	513	7.7	79	15.4	1.2	42	8.2	0.6
Long range ($i-j \geq 5$)	2023	30.3	167	8.3	2.5	115	5.7	1.7
Backbone-Backbone	146	2.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	840	12.6	64	7.6	1.0	56	6.7	0.8
Sidechain-Sidechain	1037	15.5	103	9.9	1.5	59	5.7	0.9
Inter-chain	68	1.0	4	5.9	0.1	1	1.5	0.0
Backbone-Backbone	5	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	21	0.3	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	42	0.6	4	9.5	0.1	1	2.4	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	6687	100.0	567	8.5	8.5	387	5.8	5.8
Backbone-Backbone	768	11.5	4	0.5	0.1	0	0.0	0.0
Backbone-Sidechain	3776	56.5	311	8.2	4.7	238	6.3	3.6
Sidechain-Sidechain	2143	32.0	252	11.8	3.8	149	7.0	2.2

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	63	158	112	134	4	471	0.65	2.48	0.45	0.53
2	59	161	113	134	2	469	0.66	2.62	0.46	0.56
3	57	157	111	138	3	466	0.66	2.7	0.46	0.56
4	57	165	114	136	1	473	0.65	2.81	0.46	0.54
5	64	150	108	136	2	460	0.66	2.59	0.45	0.54
6	61	160	111	138	3	473	0.64	2.55	0.45	0.53
7	58	155	114	140	3	470	0.65	2.77	0.45	0.55
8	60	158	111	136	3	468	0.65	2.78	0.46	0.56
9	57	164	109	145	4	479	0.65	2.79	0.46	0.56
10	57	155	103	137	4	456	0.66	2.76	0.46	0.56

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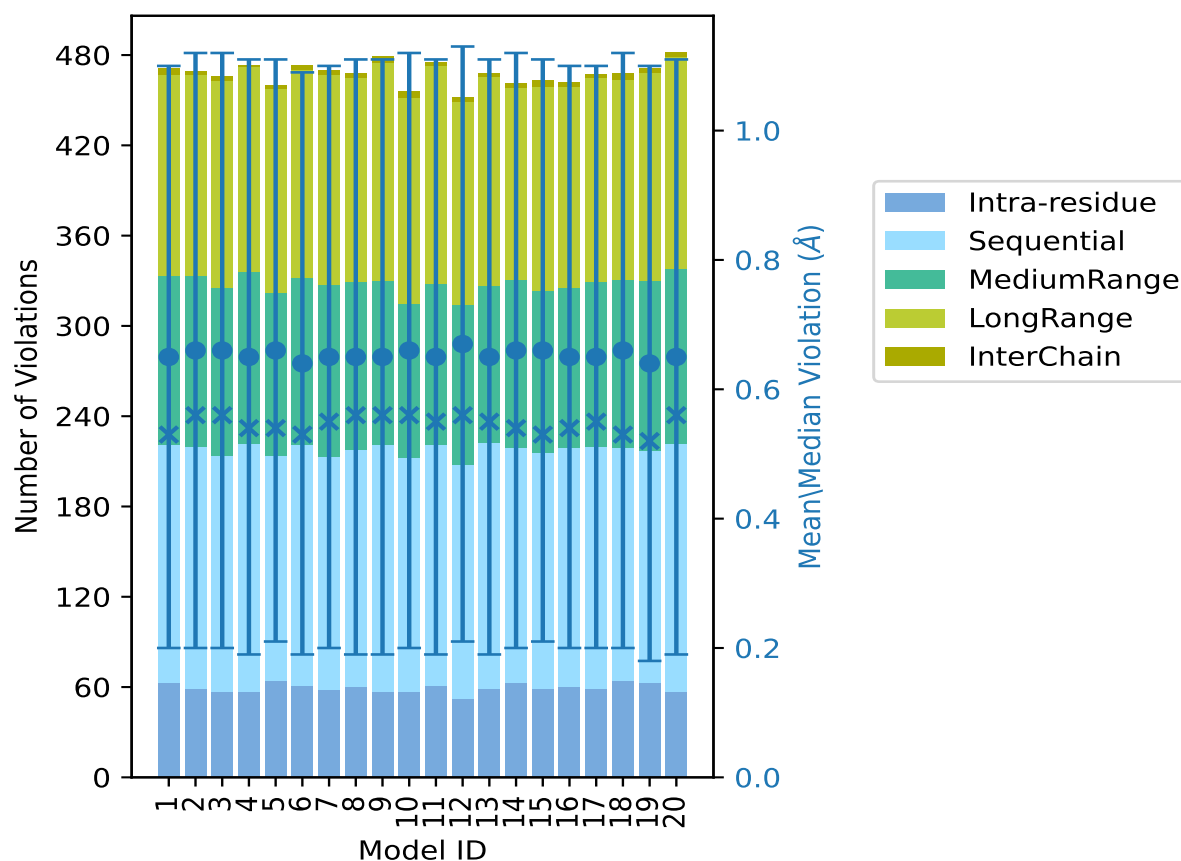
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	61	160	107	145	2	475	0.65	2.61	0.46	0.55
12	52	156	106	135	3	452	0.67	2.67	0.46	0.56
13	59	163	105	139	2	468	0.65	2.65	0.46	0.55
14	63	156	112	127	3	461	0.66	2.68	0.46	0.54
15	59	157	107	136	4	463	0.66	2.58	0.45	0.53
16	60	159	106	134	3	462	0.65	2.59	0.45	0.54
17	59	161	109	136	2	467	0.65	2.42	0.45	0.55
18	64	155	112	133	4	468	0.66	2.6	0.46	0.53
19	63	154	113	138	3	471	0.64	2.65	0.46	0.52
20	57	165	116	141	3	482	0.65	2.8	0.46	0.56

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

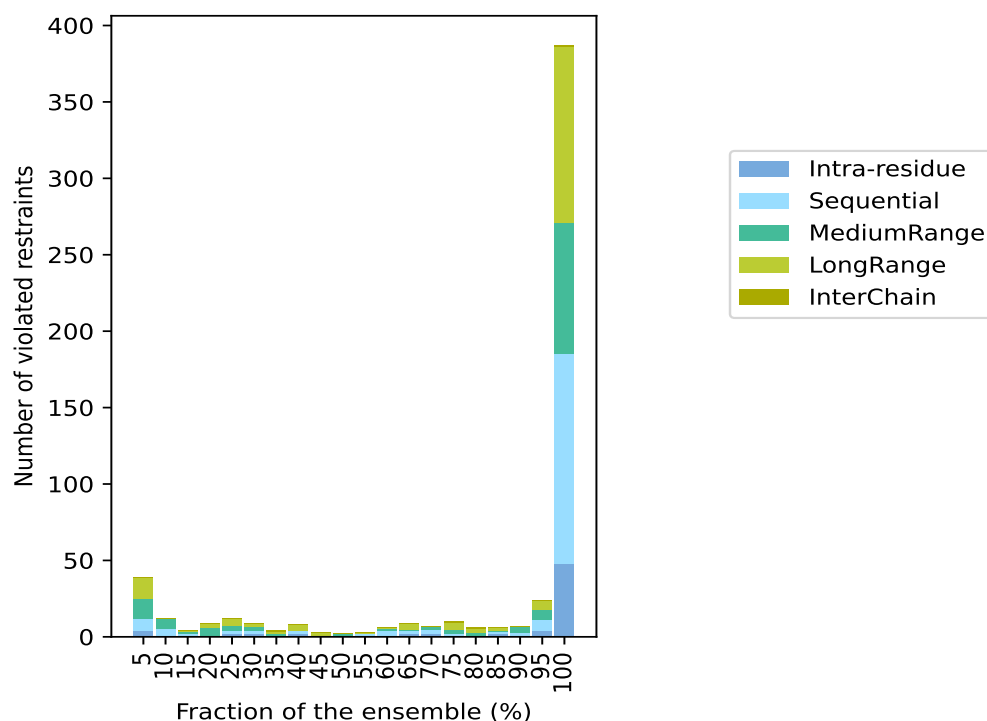
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 6120(IR:1465, SQ:1539, MR:1196, LR:1856, IC:64) restraints 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	%
4	8	13	14	0	39	1	5.0
0	5	7	0	0	12	2	10.0
0	2	1	1	0	4	3	15.0
0	0	6	3	0	9	4	20.0
2	2	3	5	0	12	5	25.0
2	2	3	2	0	9	6	30.0
0	0	2	1	1	4	7	35.0
2	2	0	4	0	8	8	40.0
1	0	0	2	0	3	9	45.0
0	1	1	0	0	2	10	50.0
0	2	0	1	0	3	11	55.0
0	4	1	1	0	6	12	60.0
2	2	1	4	0	9	13	65.0
2	3	2	0	0	7	14	70.0
1	1	3	4	1	10	15	75.0
0	0	3	2	1	6	16	80.0
2	1	1	2	0	6	17	85.0
0	3	4	0	0	7	18	90.0
4	7	7	6	0	24	19	95.0
48	137	86	115	1	387	20	100.0

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

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

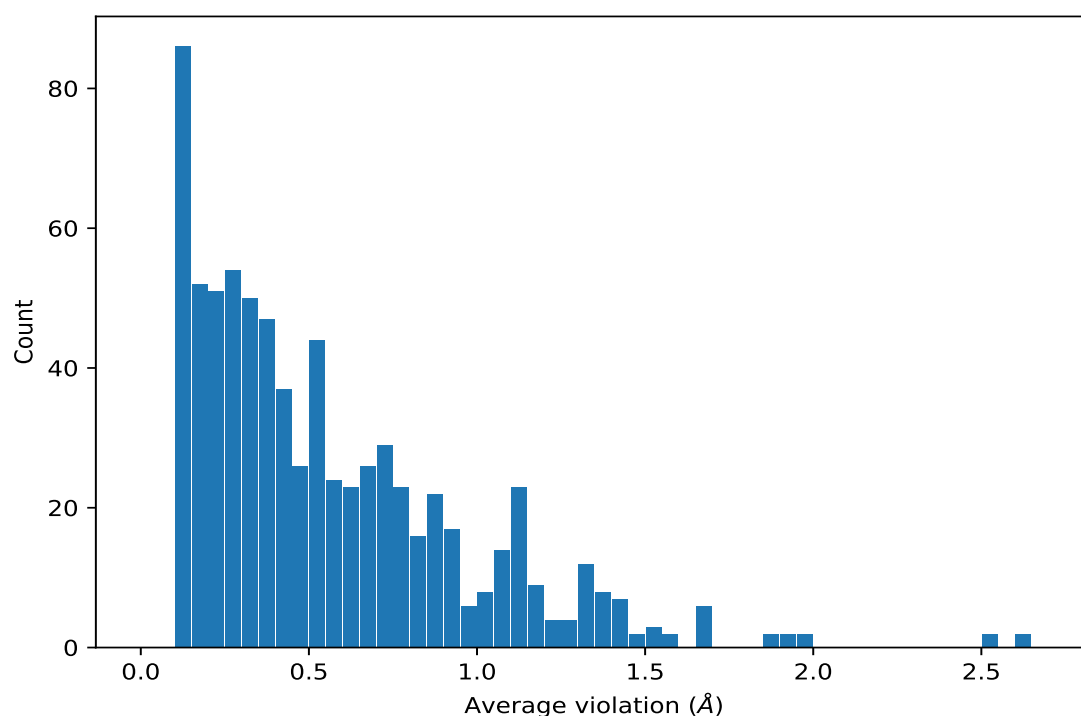
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	20	2.61	0.16	2.65
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	20	2.61	0.16	2.65
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	20	2.55	0.08	2.58
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	20	2.55	0.08	2.58
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	20	1.96	0.09	1.96
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	20	1.96	0.09	1.96
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	20	1.93	0.03	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	20	1.93	0.03	1.93
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	20	1.9	0.06	1.9
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	20	1.9	0.06	1.9
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	20	1.7	0.08	1.73
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	20	1.7	0.08	1.73
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	20	1.7	0.01	1.7
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	20	1.7	0.01	1.7
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	20	1.68	0.05	1.69
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	20	1.68	0.05	1.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	20	1.58	0.05	1.58
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	20	1.58	0.05	1.58
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	20	1.51	0.01	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	20	1.51	0.01	1.51
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	20	1.47	0.07	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	20	1.47	0.07	1.49
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	20	1.45	0.08	1.44
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	20	1.45	0.08	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	20	1.45	0.01	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	20	1.45	0.01	1.45
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	20	1.44	0.04	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	20	1.44	0.04	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	20	1.44	0.04	1.43
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	20	1.4	0.04	1.39
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	20	1.4	0.04	1.39
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	20	1.39	0.19	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	20	1.39	0.19	1.43
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	20	1.37	0.03	1.37
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	20	1.37	0.03	1.37
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	20	1.36	0.06	1.36
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	20	1.36	0.06	1.36
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	20	1.34	0.02	1.34
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	20	1.34	0.02	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	20	1.33	0.03	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	20	1.33	0.03	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	20	1.33	0.03	1.34
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	1.31	0.1	1.35
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	20	1.31	0.04	1.31
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	20	1.31	0.02	1.31
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	20	1.31	0.02	1.31
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	20	1.31	0.04	1.31
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	20	1.3	0.08	1.28
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	20	1.3	0.08	1.28
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	20	1.29	0.05	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	20	1.29	0.05	1.31
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	20	1.28	0.03	1.28
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	20	1.28	0.03	1.28
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	20	1.24	0.1	1.25
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	20	1.24	0.1	1.25
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	20	1.24	0.05	1.25
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	20	1.24	0.05	1.25
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	20	1.2	0.1	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	20	1.2	0.1	1.16
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	20	1.19	0.07	1.2
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	20	1.19	0.07	1.2
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	1.18	0.09	1.15
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	1.18	0.09	1.15
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	20	1.16	0.16	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	20	1.16	0.16	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	20	1.16	0.16	1.22
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	20	1.15	0.09	1.17
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	20	1.15	0.09	1.17
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	20	1.14	0.02	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	20	1.14	0.02	1.15
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	20	1.14	0.12	1.12
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	20	1.14	0.12	1.12
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	20	1.14	0.07	1.15
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	20	1.14	0.07	1.15
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	20	1.14	0.13	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	20	1.14	0.13	1.08
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	1.14	0.13	1.11
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	20	1.14	0.08	1.13
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	20	1.14	0.08	1.13
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	20	1.13	0.14	1.18
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	20	1.13	0.14	1.18
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	20	1.13	0.01	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	20	1.13	0.01	1.13
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	20	1.11	0.08	1.12
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	20	1.11	0.08	1.12
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	20	1.11	0.06	1.12
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	20	1.11	0.06	1.12
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	20	1.1	0.04	1.1
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	20	1.1	0.04	1.1
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	20	1.09	0.13	1.08
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	20	1.09	0.13	1.08
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	20	1.09	0.05	1.1
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	20	1.09	0.05	1.1
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	20	1.09	0.05	1.1
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	20	1.07	0.02	1.08
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	20	1.07	0.02	1.08
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	20	1.07	0.13	1.08
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	20	1.07	0.13	1.08
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	20	1.07	0.04	1.08
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	20	1.07	0.04	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	20	1.06	0.03	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	20	1.06	0.03	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	20	1.06	0.03	1.06
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	20	1.02	0.02	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	20	1.02	0.02	1.03
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	20	1.01	0.03	1.01
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	20	1.01	0.03	1.01
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	20	1.0	0.02	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	20	1.0	0.02	1.0
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	20	0.98	0.03	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	20	0.98	0.03	0.99
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	20	0.98	0.06	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	20	0.98	0.06	0.95
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	20	0.97	0.01	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	20	0.97	0.01	0.97
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	20	0.95	0.01	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	20	0.95	0.01	0.95
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	20	0.94	0.09	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	20	0.94	0.09	0.91
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	20	0.94	0.21	0.88
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	20	0.94	0.21	0.88
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	20	0.94	0.21	0.88
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	20	0.92	0.01	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	20	0.92	0.01	0.92
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	20	0.91	0.03	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	20	0.91	0.03	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	20	0.91	0.03	0.9
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	20	0.91	0.03	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	20	0.91	0.03	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	20	0.9	0.03	0.91
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	20	0.9	0.03	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	20	0.9	0.03	0.91
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	20	0.88	0.05	0.89
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	20	0.88	0.05	0.89
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	20	0.88	0.02	0.88
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	20	0.88	0.02	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	20	0.88	0.01	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	20	0.88	0.01	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	20	0.88	0.01	0.88
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	20	0.87	0.07	0.86
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	20	0.87	0.07	0.86
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	20	0.87	0.07	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	20	0.86	0.36	1.08
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	20	0.86	0.36	1.08
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	20	0.86	0.36	1.08
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	20	0.86	0.09	0.86
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	20	0.86	0.09	0.86
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	20	0.86	0.08	0.83
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	20	0.86	0.08	0.83
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	20	0.86	0.02	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	20	0.86	0.02	0.86
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	20	0.86	0.05	0.87
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	20	0.86	0.05	0.87
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	20	0.85	0.12	0.84
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	20	0.85	0.12	0.84
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	20	0.85	0.1	0.84
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	20	0.85	0.1	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	20	0.84	0.01	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	20	0.84	0.01	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	20	0.84	0.03	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	20	0.84	0.03	0.85
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	20	0.84	0.19	0.84
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	20	0.84	0.19	0.84
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	20	0.83	0.1	0.86
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	20	0.83	0.1	0.86
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	20	0.83	0.1	0.85
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	20	0.83	0.1	0.85
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	20	0.8	0.01	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	20	0.8	0.01	0.8
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	20	0.79	0.05	0.81
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	20	0.79	0.05	0.81
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	20	0.79	0.04	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	20	0.79	0.04	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	20	0.79	0.04	0.77
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	20	0.78	0.25	0.7
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	20	0.78	0.25	0.7
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	20	0.78	0.05	0.78
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	20	0.78	0.05	0.78
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	20	0.77	0.07	0.78
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	20	0.77	0.07	0.78
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	20	0.77	0.05	0.76
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	20	0.77	0.05	0.76
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	20	0.77	0.17	0.82
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	20	0.77	0.17	0.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	20	0.77	0.08	0.78
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	20	0.77	0.08	0.78
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	20	0.77	0.24	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	20	0.77	0.24	0.94
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	20	0.76	0.1	0.77
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	20	0.76	0.1	0.77
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	20	0.75	0.01	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	20	0.75	0.01	0.75
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	20	0.74	0.04	0.74
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	20	0.74	0.04	0.74
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	20	0.74	0.2	0.87
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	20	0.74	0.2	0.87
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	20	0.73	0.06	0.74
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	20	0.73	0.06	0.74
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	20	0.73	0.08	0.72
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	20	0.73	0.08	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	20	0.73	0.04	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	20	0.73	0.04	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	20	0.73	0.04	0.72
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	20	0.72	0.16	0.78
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	20	0.72	0.16	0.78
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	20	0.72	0.16	0.78
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	20	0.72	0.05	0.74
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	20	0.72	0.05	0.74
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	20	0.72	0.05	0.74
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	20	0.72	0.03	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	20	0.72	0.03	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	20	0.72	0.03	0.71
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	20	0.72	0.06	0.74
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	20	0.72	0.06	0.74
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	20	0.71	0.02	0.71
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	20	0.71	0.02	0.71
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	20	0.71	0.06	0.73
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	20	0.71	0.06	0.73
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	20	0.71	0.28	0.64
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	20	0.71	0.28	0.64
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	20	0.71	0.28	0.64
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	20	0.7	0.02	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	20	0.7	0.02	0.7
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	20	0.7	0.02	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	20	0.7	0.02	0.69
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	20	0.7	0.08	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	20	0.7	0.08	0.72
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	20	0.68	0.04	0.69
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	20	0.68	0.04	0.69
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	20	0.67	0.06	0.68
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	20	0.67	0.06	0.68
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	20	0.67	0.06	0.68
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	20	0.66	0.01	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	20	0.66	0.01	0.66
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	20	0.66	0.09	0.66
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	20	0.66	0.09	0.66
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	20	0.66	0.09	0.66
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	20	0.65	0.02	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	20	0.65	0.02	0.64
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	20	0.65	0.03	0.66
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	20	0.65	0.04	0.64
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	20	0.65	0.03	0.66
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	20	0.65	0.04	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	20	0.65	0.02	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	20	0.65	0.02	0.64
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	20	0.64	0.03	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	20	0.64	0.03	0.66
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	20	0.64	0.08	0.66
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	20	0.64	0.08	0.66
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	20	0.64	0.11	0.63
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	20	0.64	0.11	0.63
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	20	0.64	0.11	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	20	0.63	0.01	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	20	0.63	0.01	0.63
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	20	0.62	0.11	0.62
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	20	0.62	0.11	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	20	0.62	0.07	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	20	0.62	0.07	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	20	0.62	0.07	0.62
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	20	0.62	0.06	0.63
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	20	0.62	0.06	0.63
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	20	0.61	0.05	0.6
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	20	0.61	0.05	0.6
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	20	0.61	0.08	0.62
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	20	0.61	0.08	0.62
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	20	0.61	0.08	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	20	0.61	0.06	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	20	0.61	0.06	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	20	0.6	0.2	0.57
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	20	0.6	0.2	0.57
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	20	0.59	0.12	0.64
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	20	0.59	0.12	0.64
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	20	0.59	0.06	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	20	0.59	0.06	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	20	0.59	0.06	0.57
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	0.59	0.09	0.56
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	0.59	0.09	0.56
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	20	0.58	0.06	0.57
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	20	0.58	0.06	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	20	0.57	0.02	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	20	0.57	0.02	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	20	0.57	0.02	0.58
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	20	0.57	0.05	0.59
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	20	0.57	0.05	0.59
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	20	0.56	0.03	0.57
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	20	0.56	0.03	0.57
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	20	0.56	0.04	0.56
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	20	0.56	0.04	0.56
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	20	0.55	0.06	0.56
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	20	0.55	0.06	0.56
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	20	0.54	0.11	0.57
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	20	0.54	0.11	0.57
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	20	0.54	0.11	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	20	0.54	0.09	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	20	0.54	0.09	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	20	0.54	0.09	0.57
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	20	0.54	0.08	0.52
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	20	0.54	0.08	0.52
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	20	0.54	0.07	0.58
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	20	0.54	0.07	0.58
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	20	0.53	0.03	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	20	0.53	0.03	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	20	0.53	0.03	0.54
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	20	0.53	0.11	0.54
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	20	0.53	0.11	0.54
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	20	0.53	0.0	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	20	0.53	0.0	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	20	0.52	0.07	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	20	0.52	0.07	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	20	0.52	0.07	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	20	0.52	0.04	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	20	0.52	0.04	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	20	0.52	0.04	0.51
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	20	0.52	0.09	0.56
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	20	0.52	0.09	0.56
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	20	0.52	0.09	0.56
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	20	0.52	0.04	0.52
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	20	0.52	0.04	0.52
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	20	0.52	0.04	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	20	0.51	0.02	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	20	0.51	0.02	0.52
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	20	0.51	0.04	0.5
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	20	0.51	0.04	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	20	0.5	0.02	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	20	0.5	0.02	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	20	0.5	0.04	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	20	0.5	0.04	0.5
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	20	0.5	0.06	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	20	0.5	0.06	0.47
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	20	0.49	0.13	0.56
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	20	0.49	0.13	0.56
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	20	0.49	0.13	0.56
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	20	0.49	0.11	0.5
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	20	0.49	0.11	0.5
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	0.49	0.09	0.46
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	0.49	0.09	0.46
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	20	0.48	0.06	0.5
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	20	0.48	0.06	0.5
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	20	0.48	0.06	0.5
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	20	0.47	0.09	0.45
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	20	0.47	0.09	0.45
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	20	0.47	0.1	0.48
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	20	0.47	0.1	0.48
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	20	0.47	0.1	0.48
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	20	0.46	0.01	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	20	0.46	0.01	0.46
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	20	0.45	0.03	0.44
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	20	0.45	0.03	0.44
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	20	0.44	0.06	0.46
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	20	0.44	0.12	0.46
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	20	0.44	0.12	0.46
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	20	0.44	0.02	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	20	0.44	0.02	0.45
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	20	0.44	0.17	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	20	0.44	0.17	0.41
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	20	0.44	0.07	0.46
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	20	0.44	0.07	0.46
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	20	0.44	0.05	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	20	0.44	0.05	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	20	0.44	0.05	0.42
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	20	0.43	0.09	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	20	0.43	0.09	0.4
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	20	0.43	0.08	0.45
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	20	0.43	0.08	0.45
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	20	0.43	0.08	0.45
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	20	0.42	0.04	0.42
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	20	0.42	0.04	0.42
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	20	0.42	0.06	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	20	0.42	0.06	0.4
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	20	0.42	0.06	0.43
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	20	0.42	0.06	0.43
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	20	0.41	0.09	0.44
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	20	0.41	0.09	0.44
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	20	0.4	0.04	0.4
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	20	0.4	0.04	0.4
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	20	0.4	0.04	0.4
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	20	0.4	0.04	0.4
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	20	0.4	0.05	0.4
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	20	0.4	0.05	0.4
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	20	0.39	0.03	0.38
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	20	0.39	0.03	0.38
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	20	0.39	0.05	0.38
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	20	0.39	0.05	0.38
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	20	0.39	0.02	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	20	0.39	0.02	0.4
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	20	0.39	0.06	0.39
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	20	0.39	0.06	0.39
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	20	0.39	0.06	0.39
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	20	0.39	0.04	0.37
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	20	0.39	0.04	0.37
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	20	0.38	0.06	0.38
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	20	0.38	0.06	0.38
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	20	0.38	0.06	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	20	0.38	0.02	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	20	0.38	0.02	0.38
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	20	0.38	0.09	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	20	0.38	0.09	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	20	0.38	0.09	0.42
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	20	0.38	0.01	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	20	0.38	0.01	0.38
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	20	0.38	0.09	0.4
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	20	0.38	0.09	0.4
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	20	0.37	0.06	0.38
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	20	0.37	0.06	0.38
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	20	0.36	0.11	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	20	0.36	0.11	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	20	0.36	0.11	0.42
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	20	0.36	0.05	0.38
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	20	0.36	0.05	0.38
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	20	0.35	0.03	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	20	0.35	0.03	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	20	0.35	0.03	0.35
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	20	0.35	0.07	0.34
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	20	0.35	0.07	0.34
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	20	0.35	0.04	0.33
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	20	0.35	0.04	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	20	0.35	0.04	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	20	0.35	0.04	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	20	0.35	0.04	0.34
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	20	0.34	0.06	0.34
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	20	0.34	0.06	0.34
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	20	0.34	0.05	0.35
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	20	0.34	0.05	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	20	0.34	0.01	0.34
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	20	0.34	0.01	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	20	0.34	0.01	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	20	0.34	0.01	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	20	0.34	0.01	0.34
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	20	0.34	0.05	0.34
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	20	0.34	0.05	0.34
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	20	0.33	0.06	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	20	0.33	0.06	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	20	0.33	0.06	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	20	0.33	0.07	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	20	0.33	0.07	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	20	0.33	0.07	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	20	0.33	0.06	0.32
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	20	0.33	0.06	0.32
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	20	0.33	0.06	0.32
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	20	0.32	0.05	0.33
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	20	0.32	0.05	0.33
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	20	0.32	0.04	0.32
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	20	0.32	0.04	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	20	0.31	0.04	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	20	0.31	0.04	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	20	0.31	0.04	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	20	0.31	0.04	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	20	0.31	0.01	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	20	0.31	0.01	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	20	0.31	0.01	0.31
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	20	0.3	0.08	0.27
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	20	0.3	0.08	0.27
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	20	0.3	0.05	0.32
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	20	0.3	0.05	0.32
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	20	0.29	0.1	0.26
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	20	0.29	0.1	0.26
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	20	0.29	0.02	0.29
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	20	0.29	0.02	0.29
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	20	0.29	0.02	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	20	0.29	0.01	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	20	0.29	0.01	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	20	0.29	0.01	0.29
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	20	0.29	0.07	0.26
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	20	0.29	0.07	0.26
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	20	0.28	0.0	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	20	0.28	0.0	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	20	0.28	0.0	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	20	0.27	0.01	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	20	0.27	0.01	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	20	0.27	0.03	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	20	0.27	0.03	0.28
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	20	0.26	0.04	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	20	0.26	0.04	0.27
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	20	0.25	0.0	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	20	0.25	0.0	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	20	0.25	0.0	0.25
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	20	0.25	0.03	0.25
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	20	0.25	0.03	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	20	0.25	0.03	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	20	0.24	0.02	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	20	0.24	0.02	0.25
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	20	0.23	0.09	0.2
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	20	0.23	0.09	0.2
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	20	0.23	0.02	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	20	0.23	0.02	0.23
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	20	0.23	0.05	0.24
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	20	0.23	0.05	0.24
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	20	0.23	0.05	0.24
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	20	0.23	0.05	0.22
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	20	0.23	0.05	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	20	0.22	0.02	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	20	0.22	0.02	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	20	0.22	0.02	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	20	0.22	0.02	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	20	0.22	0.02	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	20	0.22	0.0	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	20	0.22	0.0	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	20	0.22	0.0	0.22
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	20	0.21	0.01	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	20	0.21	0.01	0.21
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	20	0.2	0.03	0.21
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	20	0.2	0.03	0.21
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	20	0.2	0.02	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	20	0.2	0.02	0.2
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	20	0.19	0.03	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	20	0.19	0.03	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	20	0.18	0.02	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	20	0.18	0.02	0.18
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	20	0.18	0.02	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	20	0.18	0.02	0.17
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	20	0.17	0.01	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	20	0.17	0.01	0.18
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	20	0.17	0.01	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	20	0.17	0.01	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	20	0.17	0.02	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	20	0.17	0.02	0.17
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	20	0.15	0.01	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	20	0.15	0.01	0.15
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	20	0.13	0.01	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	20	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	20	0.13	0.0	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	20	0.13	0.0	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	20	0.13	0.0	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	20	0.13	0.0	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	20	0.13	0.0	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	20	0.13	0.0	0.13
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	19	1.52	0.34	1.61
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	19	0.69	0.18	0.73
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	19	0.69	0.18	0.73
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	19	0.52	0.08	0.52
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	19	0.52	0.08	0.52
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	19	0.47	0.16	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	19	0.47	0.16	0.55
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	19	0.42	0.02	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	19	0.42	0.02	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	19	0.42	0.02	0.42
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	19	0.39	0.1	0.43
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	19	0.39	0.1	0.43
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	19	0.39	0.1	0.43
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	19	0.39	0.08	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	19	0.39	0.08	0.33
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	19	0.38	0.09	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	19	0.38	0.09	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	19	0.38	0.09	0.41
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	19	0.38	0.42	0.13
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	19	0.38	0.42	0.13
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	19	0.29	0.09	0.28
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	19	0.29	0.09	0.28
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	19	0.21	0.02	0.21
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	19	0.21	0.02	0.21
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	19	0.21	0.02	0.21
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	19	0.2	0.05	0.2
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	19	0.2	0.05	0.2
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	19	0.19	0.05	0.18
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	19	0.19	0.05	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	19	0.18	0.01	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	19	0.18	0.01	0.18
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	19	0.17	0.03	0.16
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	19	0.17	0.03	0.16
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	18	0.51	0.24	0.5
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	18	0.51	0.24	0.5
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	18	0.51	0.24	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	18	0.23	0.06	0.22
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	18	0.23	0.06	0.22
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	18	0.2	0.02	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	18	0.2	0.02	0.2
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	18	0.18	0.03	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	18	0.18	0.03	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	18	0.18	0.03	0.18
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	18	0.13	0.02	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	18	0.13	0.02	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	18	0.13	0.02	0.12
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	17	0.28	0.33	0.16
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	17	0.26	0.06	0.27
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	17	0.26	0.06	0.27
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	17	0.15	0.02	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	17	0.15	0.02	0.16
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	17	0.15	0.03	0.15
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	17	0.15	0.03	0.15
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	16	0.47	0.13	0.48
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	16	0.47	0.13	0.48
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	16	0.47	0.13	0.48
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	16	0.29	0.16	0.27
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	16	0.29	0.16	0.27
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	16	0.26	0.08	0.29
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	16	0.26	0.08	0.29
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	16	0.13	0.02	0.13
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	16	0.13	0.02	0.13
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	16	0.13	0.02	0.13
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	15	0.89	0.09	0.89
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	15	0.36	0.09	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	15	0.34	0.12	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	15	0.34	0.12	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	15	0.34	0.12	0.33
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	15	0.24	0.01	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	15	0.24	0.01	0.24
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	15	0.2	0.05	0.2
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	15	0.2	0.05	0.2
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	15	0.2	0.07	0.17
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	15	0.2	0.07	0.17
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	15	0.17	0.03	0.16
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	15	0.17	0.03	0.16
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	15	0.11	0.0	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	15	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	15	0.11	0.0	0.11
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	14	0.18	0.07	0.16
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	14	0.18	0.07	0.16
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	14	0.15	0.04	0.15
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	14	0.15	0.04	0.15
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	14	0.15	0.02	0.15
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	14	0.15	0.02	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	14	0.14	0.02	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	14	0.14	0.02	0.15
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	13	0.56	0.16	0.6
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	13	0.56	0.16	0.6
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	13	0.42	0.19	0.42
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	13	0.42	0.19	0.42
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	13	0.42	0.19	0.42
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	13	0.35	0.23	0.2
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	13	0.35	0.23	0.2
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	13	0.19	0.03	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	13	0.19	0.03	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	13	0.19	0.03	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	13	0.19	0.03	0.19
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	13	0.15	0.02	0.15
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	13	0.15	0.02	0.15
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	13	0.15	0.02	0.15
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	13	0.13	0.03	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	13	0.13	0.03	0.12
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	13	0.11	0.01	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	13	0.11	0.01	0.11
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	12	0.45	0.03	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	12	0.45	0.03	0.44
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	12	0.31	0.02	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	12	0.31	0.02	0.3
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	12	0.28	0.05	0.3
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	12	0.28	0.05	0.3
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	12	0.28	0.05	0.3
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	12	0.18	0.04	0.18
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	12	0.18	0.04	0.18
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	12	0.18	0.04	0.18
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	12	0.14	0.03	0.13
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	12	0.14	0.03	0.13
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	11	0.23	0.13	0.19
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	11	0.23	0.13	0.19
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	11	0.17	0.05	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	10	0.25	0.11	0.24
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	10	0.25	0.11	0.24
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	10	0.25	0.11	0.24
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	10	0.25	0.11	0.24
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	10	0.25	0.11	0.24
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	10	0.25	0.11	0.24
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	10	0.22	0.05	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	10	0.22	0.05	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	10	0.22	0.05	0.23
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	9	0.16	0.01	0.16
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	9	0.14	0.03	0.13
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	9	0.14	0.03	0.13
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	8	0.22	0.08	0.22
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	8	0.22	0.08	0.22
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	8	0.12	0.01	0.11
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	8	0.12	0.01	0.12
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	8	0.12	0.01	0.11
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	8	0.12	0.01	0.12
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	8	0.11	0.02	0.11
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	8	0.11	0.02	0.11
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	7	0.25	0.03	0.24
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	7	0.25	0.03	0.24
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	7	0.25	0.03	0.24
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	7	0.21	0.13	0.14
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	7	0.21	0.13	0.14
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	7	0.12	0.01	0.12
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	7	0.12	0.01	0.12
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	6	1.0	0.06	1.02
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	6	1.0	0.06	1.02
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	6	0.38	0.06	0.4
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	6	0.38	0.06	0.4
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	6	0.37	0.2	0.45
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	6	0.37	0.2	0.45
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	6	0.37	0.2	0.45
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	6	0.15	0.02	0.14
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	6	0.15	0.02	0.14
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	6	0.13	0.02	0.13
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	6	0.13	0.02	0.13
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	6	0.13	0.02	0.13
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	6	0.12	0.02	0.12
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	6	0.12	0.02	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	6	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	6	0.12	0.01	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	6	0.12	0.01	0.12
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	5	0.38	0.05	0.4
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	5	0.28	0.04	0.29
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	5	0.28	0.04	0.29
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	5	0.17	0.05	0.15
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	5	0.17	0.05	0.15
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	5	0.17	0.07	0.15
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	5	0.17	0.05	0.14
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	5	0.17	0.07	0.15
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	5	0.17	0.05	0.14
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	5	0.13	0.02	0.12
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	5	0.13	0.02	0.12
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	5	0.12	0.0	0.12
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	5	0.12	0.0	0.12
(1,2911)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	4	0.32	0.28	0.18
(2,858)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	4	0.32	0.28	0.18
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	4	0.16	0.05	0.16
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	4	0.16	0.05	0.16
(2,723)	2:93:B:ILE:HD11	2:105:B:LEU:HB3	4	0.16	0.03	0.16
(2,723)	2:93:B:ILE:HD12	2:105:B:LEU:HB3	4	0.16	0.03	0.16
(2,723)	2:93:B:ILE:HD13	2:105:B:LEU:HB3	4	0.16	0.03	0.16
(1,2945)	2:145:B:THR:HB	2:147:B:SER:HB2	4	0.16	0.03	0.15
(2,2397)	2:145:B:THR:HB	2:147:B:SER:HB2	4	0.16	0.03	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	4	0.14	0.04	0.13
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	4	0.14	0.04	0.13
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	4	0.14	0.04	0.13
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG21	4	0.14	0.04	0.13
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG22	4	0.14	0.04	0.13
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG23	4	0.14	0.04	0.13
(1,863)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	4	0.13	0.02	0.12
(2,1923)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	4	0.13	0.02	0.12
(2,3220)	2:121:B:GLN:HE21	2:127:B:PRO:HB2	3	0.3	0.04	0.32
(2,3220)	2:121:B:GLN:HE22	2:127:B:PRO:HB2	3	0.3	0.04	0.32
(1,2908)	2:144:B:ARG:HB2	2:145:B:THR:H	3	0.22	0.06	0.18
(2,436)	2:144:B:ARG:HB2	2:145:B:THR:H	3	0.22	0.06	0.18
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD11	3	0.14	0.03	0.15
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD12	3	0.14	0.03	0.15
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD13	3	0.14	0.03	0.15
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	2	0.16	0.06	0.16
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	2	0.16	0.06	0.16
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	2	0.16	0.06	0.16

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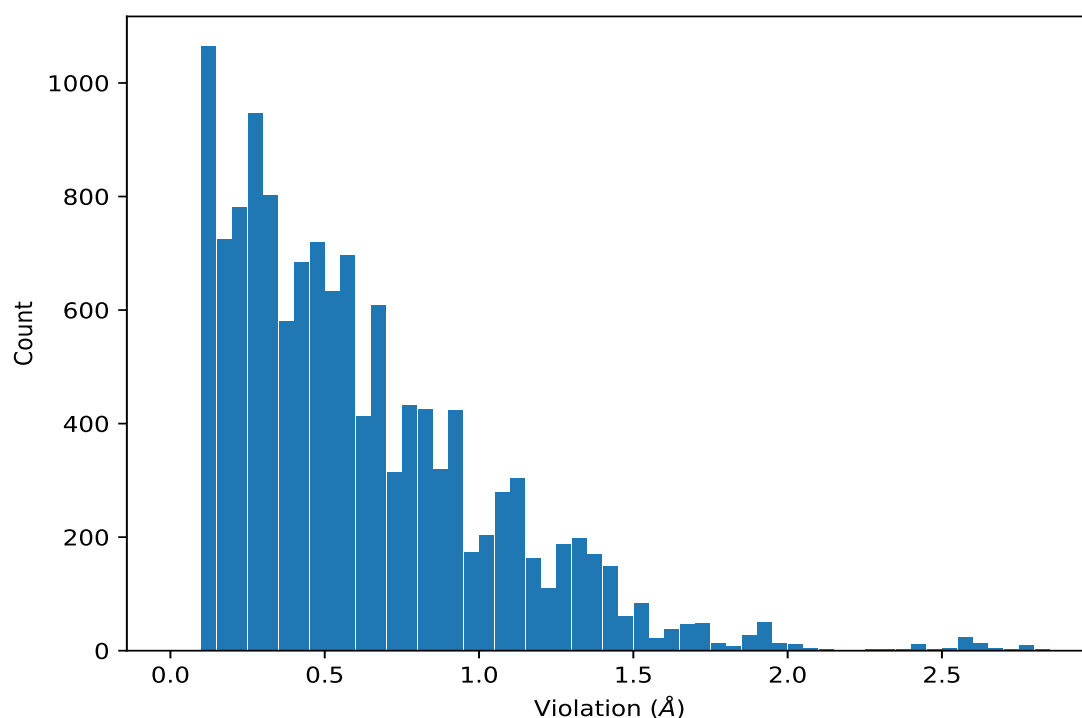
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2383)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	2	0.16	0.03	0.16
(2,2073)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	2	0.16	0.03	0.16
(1,59)	1:21:A:LEU:H	1:22:A:LEU:H	2	0.12	0.0	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	2	0.12	0.0	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	2	0.12	0.0	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	2	0.12	0.0	0.12
(2,68)	1:21:A:LEU:H	1:22:A:LEU:H	2	0.12	0.0	0.12
(1,720)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	2	0.11	0.0	0.11
(2,1941)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	2	0.11	0.0	0.11
(2,2395)	2:145:B:THR:HG21	2:147:B:SER:HB2	2	0.11	0.01	0.11
(2,2395)	2:145:B:THR:HG22	2:147:B:SER:HB2	2	0.11	0.01	0.11
(2,2395)	2:145:B:THR:HG23	2:147:B:SER:HB2	2	0.11	0.01	0.11
(1,1204)	1:69:A:LEU:HB2	1:70:A:SER:H	2	0.11	0.0	0.11
(2,419)	1:69:A:LEU:HB2	1:70:A:SER:H	2	0.11	0.0	0.11
(2,903)	2:116:B:VAL:HA	2:119:B:LYS:HG2	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 [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	4	2.81
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	4	2.81
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	20	2.8
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	20	2.8
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	9	2.79
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	9	2.79
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	8	2.78
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	8	2.78
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	7	2.77
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	7	2.77
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	10	2.76
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	10	2.76
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	3	2.7
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	3	2.7
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	14	2.68
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	14	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	12	2.67
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	12	2.67
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	13	2.65
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	19	2.65
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	13	2.65
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	19	2.65
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	2	2.62
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	2	2.62
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	11	2.61
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	11	2.61
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	9	2.6
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	11	2.6
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	18	2.6
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	9	2.6
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	11	2.6
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	18	2.6
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	2	2.59
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	5	2.59
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	12	2.59
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	14	2.59
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	16	2.59
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	2	2.59
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	5	2.59
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	12	2.59
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	14	2.59
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	16	2.59
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	3	2.58
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	8	2.58
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	13	2.58
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	15	2.58
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	3	2.58
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	8	2.58
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	13	2.58
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	15	2.58
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	4	2.57
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	7	2.57
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	10	2.57
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	4	2.57
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	7	2.57
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	10	2.57
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	18	2.55
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	6	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	6	2.55
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	18	2.55
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	1	2.48
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	1	2.48
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	20	2.44
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	20	2.44
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	1	2.43
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	1	2.43
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	17	2.42
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	17	2.42
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	5	2.41
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	6	2.41
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	17	2.41
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	17	2.41
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	5	2.41
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	6	2.41
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	15	2.36
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	15	2.36
(2,2498)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	16	2.32
(1,1652)	2:96:B:LYS:HG3	2:158:B:HIS:HB2	16	2.32
(2,842)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	19	2.29
(1,2345)	2:122:B:ASP:HB2	2:123:B:LYS:HG3	19	2.29
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	17	2.12
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	17	2.12
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	6	2.09
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	6	2.09
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	16	2.06
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	16	2.06
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	12	2.03
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	12	2.03
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	12	2.02
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	12	2.02
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	15	2.01
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	17	2.01
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	15	2.01
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	17	2.01
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	5	2.0
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	14	2.0
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	5	2.0
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	14	2.0
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	3	1.99
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	3	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	4	1.98
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	4	1.98
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	7	1.97
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	10	1.97
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	19	1.97
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	10	1.97
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	19	1.97
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	7	1.97
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	5	1.96
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	14	1.96
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	5	1.96
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	14	1.96
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	8	1.95
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	7	1.95
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	9	1.95
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	11	1.95
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	4	1.95
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	20	1.95
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	7	1.95
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	9	1.95
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	11	1.95
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	4	1.95
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	20	1.95
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	8	1.95
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	9	1.94
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	15	1.94
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	20	1.94
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	1	1.94
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	1	1.94
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	9	1.94
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	15	1.94
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	20	1.94
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	1	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	2	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	11	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	12	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	16	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	18	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	19	1.93
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	8	1.93
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	8	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	1	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	2	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	11	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	12	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	16	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	18	1.93
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	19	1.93
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	13	1.92
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	17	1.92
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	5	1.92
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	6	1.92
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	14	1.92
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	5	1.92
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	6	1.92
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	14	1.92
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	13	1.92
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	17	1.92
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	1	1.91
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	15	1.91
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	1	1.91
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	15	1.91
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	4	1.9
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	2	1.9
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	10	1.9
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	2	1.9
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	10	1.9
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	4	1.9
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	8	1.89
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	8	1.89
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	6	1.88
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	18	1.88
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	7	1.88
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	16	1.88
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	19	1.88
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	18	1.88
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	7	1.88
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	16	1.88
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	19	1.88
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	6	1.88
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	10	1.87
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	20	1.87
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	20	1.87
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	2	1.86
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	11	1.86
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	2	1.86
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	11	1.86
(2,2565)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	3	1.85
(1,322)	1:34:A:LEU:HB2	1:35:A:TYR:HB3	3	1.85
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	18	1.83
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	18	1.83
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	13	1.81
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	13	1.81
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	9	1.8
(2,1857)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	13	1.8
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	9	1.8
(1,1130)	1:66:A:GLN:HB3	1:67:A:LYS:HB3	13	1.8
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	5	1.77
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	5	1.77
(2,1861)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	3	1.76
(1,1132)	1:66:A:GLN:HB3	1:67:A:LYS:HG3	3	1.76
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	1	1.75
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	3	1.75
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	4	1.75
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	7	1.75
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	10	1.75
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	10	1.75
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	1	1.75
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	3	1.75
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	4	1.75
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	7	1.75
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	9	1.74
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	14	1.74
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	16	1.74
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	18	1.74
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	6	1.74
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	19	1.74
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	6	1.74
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	19	1.74
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	9	1.74
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	14	1.74
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	16	1.74
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	18	1.74
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	2	1.73
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	11	1.73
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	12	1.73
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	20	1.73
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	12	1.73
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	15	1.73
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	12	1.73
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	15	1.73
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	2	1.73
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	8	1.73
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	11	1.73
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	12	1.73
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	20	1.73
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	17	1.72
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	19	1.72
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	3	1.72
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	13	1.72
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	16	1.72
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	20	1.72
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	3	1.72
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	13	1.72
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	16	1.72
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	20	1.72
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	17	1.72
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	19	1.72
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	4	1.71
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	8	1.71
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	11	1.71
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	17	1.71
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	3	1.71
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	3	1.71
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	4	1.71
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	8	1.71
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	11	1.71
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	17	1.71
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	10	1.7
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	12	1.7
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	14	1.7
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	5	1.7
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	8	1.7
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	13	1.7
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	17	1.7
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	5	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	8	1.7
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	13	1.7
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	17	1.7
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	10	1.7
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	12	1.7
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	14	1.7
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	1	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	2	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	5	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	7	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	9	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	15	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	18	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	19	1.69
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	7	1.69
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	9	1.69
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	7	1.69
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	9	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	1	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	2	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	5	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	7	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	9	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	15	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	18	1.69
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	19	1.69
(2,1109)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	6	1.67
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	1	1.67
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	1	1.67
(1,710)	1:50:A:PRO:HB3	1:53:A:ILE:HG13	6	1.67
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	7	1.66
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	11	1.66
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	16	1.66
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	18	1.66
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	7	1.66
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	11	1.66
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	16	1.66
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	18	1.66
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	5	1.65
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	9	1.65
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	11	1.65
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	14	1.65
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	2	1.65
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	14	1.65
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	1	1.64
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	3	1.64
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	15	1.64
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	19	1.64
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	15	1.64
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	8	1.64
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	13	1.64
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	17	1.64
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	8	1.64
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	13	1.64
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	17	1.64
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	15	1.64
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	2	1.63
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	10	1.62
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	10	1.62
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	14	1.62
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	20	1.62
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	14	1.62
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	20	1.62
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	10	1.62
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	6	1.61
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	17	1.61
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	9	1.61
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	6	1.61
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	6	1.61
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	9	1.61
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	7	1.6
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	20	1.6
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	18	1.6
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	18	1.6
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	1	1.59
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	4	1.59
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	11	1.59
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	15	1.59
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	1	1.59
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	4	1.59
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	11	1.59
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	15	1.59
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	13	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	9	1.58
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	19	1.58
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	9	1.58
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	19	1.58
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	20	1.57
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	20	1.57
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	4	1.56
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	11	1.56
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	11	1.56
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	5	1.55
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	18	1.55
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	5	1.55
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	18	1.55
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	20	1.54
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	10	1.54
(2,569)	2:113:B:ILE:HG12	2:140:B:LEU:H	4	1.54
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	10	1.54
(1,2038)	2:113:B:ILE:HG12	2:140:B:LEU:H	4	1.54
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	20	1.54
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	2	1.53
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	2	1.53
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	2	1.52
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	18	1.52
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	14	1.52
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	6	1.52
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	16	1.52
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	12	1.52
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	3	1.52
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	13	1.52
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	19	1.52
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	12	1.52
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	2	1.52
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	18	1.52
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	16	1.52
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	3	1.52
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	13	1.52
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	19	1.52
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	6	1.52
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	10	1.51
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	14	1.51
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	8	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	6	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	8	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	9	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	11	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	12	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	14	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	16	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	17	1.51
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	20	1.51
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	10	1.51
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	14	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	4	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	6	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	8	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	9	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	11	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	12	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	14	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	16	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	17	1.51
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	20	1.51
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	3	1.5
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	11	1.5
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	15	1.5
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	16	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	9	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	9	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	9	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	13	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	13	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	13	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	19	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	19	1.5
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	19	1.5
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	20	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	1	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	2	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	5	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	7	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	10	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	15	1.5
(2,114)	1:50:A:PRO:HB3	1:53:A:ILE:H	18	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	3	1.5
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	11	1.5
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	15	1.5
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	16	1.5
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	20	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	1	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	2	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	5	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	7	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	10	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	15	1.5
(1,711)	1:50:A:PRO:HB3	1:53:A:ILE:H	18	1.5
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	4	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	6	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	8	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	9	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	12	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	13	1.49
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	6	1.49
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	6	1.49
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	6	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	4	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	6	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	8	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	9	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	12	1.49
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	13	1.49
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	5	1.48
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	18	1.48
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	7	1.48
(2,1294)	1:27:A:SER:HA	1:31:A:GLN:HB3	13	1.48
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	16	1.48
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	16	1.48
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	5	1.48
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	7	1.48
(1,151)	1:27:A:SER:HA	1:31:A:GLN:HB3	13	1.48
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	7	1.47
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	13	1.47
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	17	1.47
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	7	1.47
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	7	1.47
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	7	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	15	1.47
(2,1000)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	3	1.47
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	5	1.47
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	13	1.47
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	13	1.47
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	13	1.47
(1,2447)	2:127:B:PRO:HB3	2:128:B:PRO:HG3	3	1.47
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	7	1.47
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	13	1.47
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	17	1.47
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	15	1.47
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	5	1.47
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	19	1.46
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	9	1.46
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	13	1.46
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	19	1.46
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	1	1.46
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	2	1.46
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	14	1.46
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	15	1.46
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	18	1.46
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	19	1.46
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	9	1.46
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	13	1.46
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	19	1.46
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	1	1.46
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	2	1.46
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	14	1.46
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	15	1.46
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	18	1.46
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	2	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	1	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	10	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	11	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	12	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	14	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	15	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	20	1.45
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	4	1.45
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	12	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	1	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	10	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	11	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	12	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	14	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	15	1.45
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	20	1.45
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	4	1.45
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	12	1.45
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	3	1.44
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	5	1.44
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	6	1.44
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	8	1.44
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	16	1.44
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	18	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	3	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	3	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	3	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	5	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	5	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	5	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	15	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	15	1.44
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	15	1.44
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	6	1.44
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	6	1.44
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	1	1.44
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	12	1.44
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	14	1.44
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	15	1.44
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	16	1.44
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	1	1.44
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	12	1.44
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	14	1.44
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	15	1.44
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	16	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	3	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	5	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	6	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	8	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	16	1.44
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	18	1.44
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	6	1.44
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	1.43
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	2	1.43
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	19	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	1	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	1	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	1	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	11	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	11	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	11	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	17	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	17	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	17	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	20	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	20	1.43
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	20	1.43
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	17	1.43
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	16	1.43
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	5	1.43
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	12	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	2	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	3	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	4	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	5	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	6	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	7	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	8	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	9	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	11	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	13	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	17	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	18	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	19	1.43
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	20	1.43
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	4	1.43
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	5	1.43
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	12	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	2	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	3	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	4	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	5	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	6	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	8	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	9	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	11	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	13	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	17	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	18	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	19	1.43
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	20	1.43
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	2	1.43
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	19	1.43
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	17	1.43
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	16	1.43
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	4	1.43
(2,2149)	2:112:B:THR:HB	2:113:B:ILE:HG13	4	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	10	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	10	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	10	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	12	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	12	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	12	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	16	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	16	1.42
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	16	1.42
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	1	1.42
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	2	1.42
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	10	1.42
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	14	1.42
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	14	1.42
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	16	1.42
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	19	1.42
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	2	1.42
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	3	1.42
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	14	1.42
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	16	1.42
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	19	1.42
(1,1993)	2:112:B:THR:HB	2:113:B:ILE:HG13	4	1.42
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	1	1.42
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	2	1.42
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	10	1.42
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	14	1.42
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	2	1.42
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	13	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	2	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	2	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	2	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	4	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	4	1.41
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	4	1.41
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	20	1.41
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	12	1.41
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	20	1.41
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	12	1.41
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	1	1.4
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	1	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	8	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	8	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	8	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	14	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	14	1.4
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	14	1.4
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	15	1.4
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	10	1.4
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	9	1.4
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	13	1.4
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	17	1.4
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	1	1.4
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	15	1.4
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	9	1.4
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	13	1.4
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	17	1.4
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	10	1.4
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	15	1.39
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	8	1.39
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	19	1.39
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	4	1.39
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	4	1.39
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	6	1.39
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	8	1.39
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	17	1.39
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	4	1.39
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	8	1.39
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	19	1.39
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	6	1.39
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	8	1.39
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	17	1.39
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	12	1.38
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	3	1.38
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	11	1.38
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	9	1.38
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	19	1.38
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	5	1.38
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	4	1.38
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	5	1.38
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	13	1.38
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	19	1.38
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	18	1.38
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	7	1.38
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	9	1.38
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	16	1.38
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	19	1.38
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	16	1.38
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	19	1.38
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	18	1.38
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	12	1.38
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	5	1.38
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	4	1.38
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	5	1.38
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	13	1.38
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	19	1.38
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	16	1.38
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	19	1.38
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	7	1.38
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	9	1.38
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	16	1.38
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	19	1.38
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	9	1.38
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	19	1.38
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	6	1.37
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	15	1.37
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	13	1.37
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	15	1.37
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	15	1.37
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	15	1.37
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	17	1.37
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	17	1.37
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	12	1.37
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	9	1.37
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	15	1.37
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	11	1.37
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	20	1.37
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	1	1.37
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	6	1.37
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	8	1.37
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	15	1.37
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	12	1.37
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	15	1.37
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	9	1.37
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	1	1.37
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	6	1.37
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	8	1.37
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	11	1.37
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	20	1.37
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	13	1.37
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	4	1.36
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	8	1.36
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	2	1.36
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	3	1.36
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	17	1.36
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	20	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	3	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	3	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	3	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	11	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	11	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	11	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	20	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	20	1.36
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	20	1.36
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	1	1.36
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	2	1.36
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	14	1.36
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	12	1.36
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	13	1.36
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	11	1.36
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	18	1.36
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	20	1.36
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	1	1.36
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	2	1.36
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	14	1.36
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	2	1.36
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	3	1.36
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	17	1.36
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	20	1.36
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	12	1.36
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	11	1.36
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	15	1.36
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	18	1.36
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	20	1.36
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	13	1.36
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	10	1.35
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	11	1.35
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	18	1.35
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	6	1.35
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	18	1.35
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	18	1.35
(2,1806)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	18	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	6	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	6	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	6	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	7	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	7	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	7	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	16	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	16	1.35
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	16	1.35
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	18	1.35
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	8	1.35
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	12	1.35
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	13	1.35
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	18	1.35
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	1	1.35
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	17	1.35
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	15	1.35
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	8	1.35
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	7	1.35
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	15	1.35
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	18	1.35
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	10	1.35
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	11	1.35
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	18	1.35
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	1	1.35
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	17	1.35
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	7	1.35
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	8	1.35
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	12	1.35
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	13	1.35
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	18	1.35
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	6	1.35
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	1	1.34
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	5	1.34
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	14	1.34
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	19	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	5	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	5	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	5	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	10	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	10	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	10	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	13	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	13	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	13	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	14	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	14	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	14	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	19	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	19	1.34
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	19	1.34
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	10	1.34
(2,483)	1:52:A:ASP:H	1:54:A:LEU:HB3	3	1.34
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	18	1.34
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	5	1.34
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	12	1.34
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	1	1.34
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	5	1.34
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	14	1.34
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	19	1.34
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	10	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	5	1.34
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	12	1.34
(1,768)	1:52:A:ASP:H	1:54:A:LEU:HB3	3	1.34
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	18	1.34
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	7	1.33
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	9	1.33
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	2	1.33
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	4	1.33
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	9	1.33
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	4	1.33
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	12	1.33
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	13	1.33
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	7	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	1	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	1	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	1	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	2	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	2	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	2	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	9	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	9	1.33
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	9	1.33
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	6	1.33
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	3	1.33
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	1	1.33
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	4	1.33
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	5	1.33
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	8	1.33
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	14	1.33
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	10	1.33
(2,222)	1:57:A:ALA:H	1:60:A:LYS:HG2	14	1.33
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	2	1.33
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	4	1.33
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	9	1.33
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	6	1.33
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	4	1.33
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	12	1.33
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	13	1.33
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	10	1.33
(1,887)	1:57:A:ALA:H	1:60:A:LYS:HG2	14	1.33
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	1	1.33
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	5	1.33
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	8	1.33
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	14	1.33
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	7	1.33
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	3	1.33
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	6	1.32
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	7	1.32
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	8	1.32
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	9	1.32
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	3	1.32
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	5	1.32
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	12	1.32
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	12	1.32
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	12	1.32
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	7	1.32
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	8	1.32
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	2	1.32
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	7	1.32
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	8	1.32
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	14	1.32
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	1	1.32
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	4	1.32
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	2	1.32
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	10	1.32
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	15	1.32
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	14	1.32
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	6	1.32
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	7	1.32
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	8	1.32
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	9	1.32
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	1	1.32
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	4	1.32
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	7	1.32
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	8	1.32
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	2	1.32
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	7	1.32
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	8	1.32
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	2	1.32
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	10	1.32
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	15	1.32
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	3	1.32
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	1.31
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	1.31
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	20	1.31
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	6	1.31
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	8	1.31
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	11	1.31
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	13	1.31
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	1	1.31
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	11	1.31
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	15	1.31
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	17	1.31
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	4	1.31
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	3	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	2	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	3	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	7	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	9	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	10	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	11	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	13	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	14	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	18	1.31
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	20	1.31
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	9	1.31
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	11	1.31
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	12	1.31
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	17	1.31
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	3	1.31
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	6	1.31
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	20	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	2	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	3	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	7	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	9	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	10	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	11	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	13	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	14	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	18	1.31
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	20	1.31
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	4	1.31
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	9	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	11	1.31
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	12	1.31
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	17	1.31
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	1	1.31
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	11	1.31
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	15	1.31
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	17	1.31
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	2	1.3
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	2	1.3
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	13	1.3
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	13	1.3
(2,2706)	2:122:B:ASP:HA	2:123:B:LYS:HG3	17	1.3
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	5	1.3
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	10	1.3
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	7	1.3
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	1.3
(2,2068)	2:103:B:ILE:HB	2:123:B:LYS:HG2	16	1.3
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	10	1.3
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	16	1.3
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	20	1.3
(2,1075)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	3	1.3
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	14	1.3
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	16	1.3
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	2	1.3
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	5	1.3
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	6	1.3
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	3	1.3
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	16	1.3
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	2	1.3
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	5	1.3
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	10	1.3
(1,2340)	2:122:B:ASP:HA	2:123:B:LYS:HG3	17	1.3
(1,1767)	2:103:B:ILE:HB	2:123:B:LYS:HG2	16	1.3
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	5	1.3
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	6	1.3
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	16	1.3
(1,1027)	1:61:A:HIS:HB2	1:67:A:LYS:HG2	3	1.3
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	14	1.3
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	3	1.3
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	16	1.3
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	10	1.3
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	20	1.3
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	11	1.29
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	11	1.29
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	4	1.29
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	4	1.29
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	8	1.29
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	8	1.29
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	8	1.29
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	12	1.29
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	7	1.29
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	15	1.29
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	4	1.29
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	12	1.29
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	18	1.29
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	18	1.29
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	18	1.29
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	5	1.29
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	18	1.29
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	6	1.29
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	13	1.29
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	10	1.29
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	10	1.29
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	10	1.29
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	8	1.29
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	19	1.29
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	6	1.29
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	7	1.29
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	13	1.29
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	19	1.29
(2,293)	1:50:A:PRO:HG3	1:54:A:LEU:H	20	1.29
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	7	1.29
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	15	1.29
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	5	1.29
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	8	1.29
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	19	1.29
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	6	1.29
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	18	1.29
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	6	1.29
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	7	1.29
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	13	1.29
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	19	1.29
(1,731)	1:50:A:PRO:HG3	1:54:A:LEU:H	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	4	1.29
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	12	1.29
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	13	1.29
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	8	1.28
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	8	1.28
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	1	1.28
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	13	1.28
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	20	1.28
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	2	1.28
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	14	1.28
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	12	1.28
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	3	1.28
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	1	1.28
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	11	1.28
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	20	1.28
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	5	1.28
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	4	1.28
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	10	1.28
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	19	1.28
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	6	1.28
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	6	1.28
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	6	1.28
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	15	1.28
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	15	1.28
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	15	1.28
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	4	1.28
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	10	1.28
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	19	1.28
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	1	1.28
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	13	1.28
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	20	1.28
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	1	1.28
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	11	1.28
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	20	1.28
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	5	1.28
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	3	1.28
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	12	1.28
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	2	1.28
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	14	1.28
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	17	1.27
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	17	1.27
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	17	1.27
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	18	1.27
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	16	1.27
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	17	1.27
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	2	1.27
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	9	1.27
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	8	1.27
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	8	1.27
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	9	1.27
(2,1071)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	11	1.27
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	10	1.27
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	19	1.27
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	11	1.27
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	20	1.27
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	10	1.27
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	12	1.27
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	20	1.27
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	10	1.27
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	16	1.27
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	17	1.27
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	12	1.27
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	10	1.27
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	19	1.27
(1,1025)	1:61:A:HIS:HB2	1:67:A:LYS:HD3	11	1.27
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	8	1.27
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	9	1.27
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	8	1.27
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	11	1.27
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	7	1.26
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	7	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	3	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	3	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	3	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	11	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	11	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	11	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	18	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	18	1.26
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	18	1.26
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	19	1.26
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	3	1.26
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	12	1.26
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	10	1.26
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	9	1.26
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	2	1.26
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	7	1.26
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	8	1.26
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	7	1.26
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	7	1.26
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	3	1.26
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	8	1.26
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	12	1.26
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	19	1.26
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	9	1.26
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	2	1.26
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	7	1.26
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	8	1.26
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	10	1.26
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	9	1.25
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	9	1.25
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	2	1.25
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	2	1.25
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	2	1.25
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	8	1.25
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	11	1.25
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	14	1.25
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	19	1.25
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	14	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	4	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	4	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	4	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	8	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	8	1.25
(2,1686)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	8	1.25
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	19	1.25
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	4	1.25
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	9	1.25
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	11	1.25
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	16	1.25
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	18	1.25
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	2	1.25
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	9	1.25
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	14	1.25
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	5	1.25
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	17	1.25
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	5	1.25
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	17	1.25
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	11	1.25
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	14	1.25
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	2	1.25
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	19	1.25
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	8	1.25
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	9	1.25
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	14	1.25
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	4	1.25
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	9	1.25
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	11	1.25
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	16	1.25
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	18	1.25
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	14	1.25
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	19	1.25
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	14	1.25
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	20	1.24
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	20	1.24
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	20	1.24
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	14	1.24
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	18	1.24
(2,2288)	2:134:B:ILE:HA	2:158:B:HIS:HB3	19	1.24
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	8	1.24
(2,1939)	1:50:A:PRO:HD3	1:53:A:ILE:HB	18	1.24
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	18	1.24
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	13	1.24
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	17	1.24
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	13	1.24
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	1	1.24
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	13	1.24
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	15	1.24
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	17	1.24
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	4	1.24
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	1	1.24
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	17	1.24
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	1	1.24
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	17	1.24
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	18	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2632)	2:134:B:ILE:HA	2:158:B:HIS:HB3	19	1.24
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	18	1.24
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	13	1.24
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	8	1.24
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	1	1.24
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	13	1.24
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	15	1.24
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	17	1.24
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	13	1.24
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	17	1.24
(1,718)	1:50:A:PRO:HD3	1:53:A:ILE:HB	18	1.24
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	4	1.24
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	1	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	1	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	1	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	9	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	9	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	9	1.23
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	12	1.23
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	15	1.23
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	10	1.23
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	12	1.23
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	10	1.23
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	10	1.23
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	3	1.23
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	4	1.23
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	10	1.23
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	17	1.23
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	18	1.23
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	18	1.23
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	15	1.23
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	3	1.23
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	12	1.23
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	4	1.23
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	10	1.23
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	10	1.23
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	10	1.23
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	17	1.23
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	5	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	5	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	5	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	10	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	10	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	19	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	19	1.22
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	19	1.22
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	2	1.22
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	6	1.22
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	13	1.22
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	15	1.22
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	6	1.22
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	13	1.22
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	15	1.22
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	2	1.22
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	4	1.21
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	4	1.21
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	7	1.21
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	7	1.21
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	7	1.21
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	2	1.21
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	13	1.21
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	18	1.21
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	18	1.21
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	3	1.21
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	12	1.21
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	20	1.21
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	7	1.21
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	2	1.21
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	19	1.21
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	9	1.21
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	6	1.21
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	14	1.21
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	15	1.21
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	9	1.21
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	6	1.21
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	14	1.21
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	15	1.21
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	18	1.21
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	12	1.21
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	20	1.21
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	7	1.21
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	2	1.21
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	3	1.21
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	18	1.21
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	2	1.21
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	19	1.21
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	18	1.2
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	18	1.2
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	20	1.2
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	20	1.2
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	13	1.2
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	13	1.2
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	1	1.2
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	16	1.2
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	6	1.2
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	11	1.2
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	11	1.2
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	11	1.2
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	5	1.2
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	9	1.2
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	3	1.2
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	16	1.2
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	3	1.2
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	6	1.2
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	16	1.2
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	1	1.2
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	5	1.2
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	9	1.2
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	17	1.19
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	17	1.19
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	8	1.19
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	8	1.19
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	14	1.19
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	13	1.19
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	5	1.19
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	1	1.19
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	3	1.19
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	1	1.19
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	1	1.19
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	1	1.19
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	3	1.19
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	3	1.19
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	3	1.19
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	15	1.19
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	15	1.19
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	14	1.19
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	10	1.19
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	16	1.19
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	11	1.19
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	12	1.19
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	18	1.19
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	18	1.19
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	11	1.19
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	12	1.19
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	11	1.19
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	12	1.19
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	13	1.19
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	3	1.19
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	10	1.19
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	16	1.19
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	1	1.19
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	14	1.19
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	11	1.19
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	12	1.19
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	18	1.19
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	14	1.19
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	18	1.19
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	15	1.18
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	15	1.18
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	16	1.18
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	16	1.18
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	9	1.18
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	18	1.18
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	14	1.18
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	9	1.18
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	2	1.18
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	2	1.18
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	2	1.18
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	8	1.18
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	8	1.18
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	8	1.18
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	2	1.18
(2,593)	2:150:B:ASN:H	2:151:B:ILE:HG12	13	1.18
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	1	1.18
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	11	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3066)	2:150:B:ASN:H	2:151:B:ILE:HG12	13	1.18
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	1	1.18
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	11	1.18
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	14	1.18
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	9	1.18
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	18	1.18
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	2	1.18
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	9	1.18
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	4	1.17
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	4	1.17
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	2	1.17
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	2	1.17
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	5	1.17
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	5	1.17
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	3	1.17
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	15	1.17
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	2	1.17
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	1	1.17
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	5	1.17
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	4	1.17
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	4	1.17
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	4	1.17
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	11	1.17
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	20	1.17
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	3	1.17
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	7	1.17
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	2	1.17
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	2	1.17
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	11	1.17
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	15	1.17
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	3	1.17
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	3	1.17
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	1	1.17
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	5	1.17
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	2	1.17
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	20	1.17
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	7	1.17
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	6	1.16
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	6	1.16
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	6	1.16
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	6	1.16
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	7	1.16
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	12	1.16
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	12	1.16
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	6	1.16
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	6	1.16
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	14	1.16
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	14	1.16
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	14	1.16
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	15	1.16
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	15	1.16
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	2	1.16
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	11	1.16
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	2	1.16
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	11	1.16
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	20	1.16
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	16	1.16
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	1	1.16
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	3	1.16
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	4	1.16
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	6	1.16
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	7	1.16
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	6	1.16
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	16	1.16
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	3	1.16
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	15	1.16
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	20	1.16
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	2	1.16
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	2	1.16
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	11	1.16
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	1	1.16
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	20	1.16
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	11	1.16
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	3	1.16
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	3	1.16
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	4	1.16
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	6	1.16
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	7	1.16
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	6	1.16
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	16	1.16
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	15	1.16
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	20	1.16
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	15	1.15
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	18	1.15
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	18	1.15
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	20	1.15
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	10	1.15
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	17	1.15
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	4	1.15
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	11	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	2	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	8	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	11	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	15	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	17	1.15
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	19	1.15
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	6	1.15
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	6	1.15
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	6	1.15
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	13	1.15
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	13	1.15
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	13	1.15
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	14	1.15
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	4	1.15
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	17	1.15
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	16	1.15
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	10	1.15
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	17	1.15
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	4	1.15
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	17	1.15
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	20	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	2	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	8	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	11	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	15	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	17	1.15
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	19	1.15
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	4	1.15
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	11	1.15
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	14	1.15
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	16	1.15
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	3	1.14
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	3	1.14
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	16	1.14
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	17	1.14
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	17	1.14
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	9	1.14
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	10	1.14
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	12	1.14
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	18	1.14
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	19	1.14
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	17	1.14
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	9	1.14
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	7	1.14
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	13	1.14
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	16	1.14
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	9	1.14
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	20	1.14
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	15	1.14
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	15	1.14
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	15	1.14
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	9	1.14
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	15	1.14
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	10	1.14
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	15	1.14
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	8	1.14
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	16	1.14
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	9	1.14
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	10	1.14
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	12	1.14
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	18	1.14
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	19	1.14
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	10	1.14
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	15	1.14
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	8	1.14
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	16	1.14
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	9	1.14
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	9	1.14
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	7	1.14
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	13	1.14
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	17	1.14
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	15	1.14
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	9	1.14
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	20	1.14
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	10	1.13
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	10	1.13
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	14	1.13
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	14	1.13
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	14	1.13
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	14	1.13
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	18	1.13
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	18	1.13
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	8	1.13
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	8	1.13
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	10	1.13
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	10	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	4	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	7	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	13	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	14	1.13
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	20	1.13
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	10	1.13
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	17	1.13
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	13	1.13
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	16	1.13
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	3	1.13
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	20	1.13
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	20	1.13
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	20	1.13
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	4	1.13
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	20	1.13
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	20	1.13
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	20	1.13
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	15	1.13
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	6	1.13
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	6	1.13
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	6	1.13
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	8	1.13
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	2	1.13
(2,372)	2:91:B:MET:HG2	2:154:B:GLU:H	17	1.13
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	4	1.13
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	7	1.13
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	13	1.13
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	14	1.13
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	20	1.13
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	2	1.13
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	4	1.13
(1,1354)	2:91:B:MET:HG2	2:154:B:GLU:H	17	1.13
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	10	1.13
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	3	1.13
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	13	1.13
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	16	1.13
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	17	1.13
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	15	1.13
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	12	1.12
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	12	1.12
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	11	1.12
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	11	1.12
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	19	1.12
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	19	1.12
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	7	1.12
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	7	1.12
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	1	1.12
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	3	1.12
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	5	1.12
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	8	1.12
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	11	1.12
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	5	1.12
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	2	1.12
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	11	1.12
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	10	1.12
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	18	1.12
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	20	1.12
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	10	1.12
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	19	1.12
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	19	1.12
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	19	1.12
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	17	1.12
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	9	1.12
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	9	1.12
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	9	1.12
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	18	1.12
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	3	1.12
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	5	1.12
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	6	1.12
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	18	1.12
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	1	1.12
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	3	1.12
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	5	1.12
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	8	1.12
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	11	1.12
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	3	1.12
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	5	1.12
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	6	1.12
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	18	1.12
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	7	1.12
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	20	1.12
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	18	1.12
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	2	1.12
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	11	1.12
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	5	1.12
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	10	1.12
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	17	1.12
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	5	1.11
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	5	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	1	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	1	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	9	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	9	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	14	1.11
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	14	1.11
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	4	1.11
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	4	1.11
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	4	1.11
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	6	1.11
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	15	1.11
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	16	1.11
(2,2469)	2:156:B:THR:HA	2:157:B:LEU:HB3	17	1.11
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	3	1.11
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	12	1.11
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	14	1.11
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	2	1.11
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	2	1.11
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	2	1.11
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	3	1.11
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	3	1.11
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	3	1.11
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	5	1.11
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	5	1.11
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	10	1.11
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	10	1.11
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	10	1.11
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	18	1.11
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	18	1.11
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	18	1.11
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	8	1.11
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	8	1.11
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	19	1.11
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	19	1.11
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	19	1.11
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	19	1.11
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	6	1.11
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	9	1.11
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	17	1.11
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	6	1.11
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	15	1.11
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	16	1.11
(1,3178)	2:156:B:THR:HA	2:157:B:LEU:HB3	17	1.11
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	9	1.11
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	17	1.11
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	8	1.11
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	19	1.11
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	12	1.11
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	14	1.11
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	3	1.11
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	8	1.11
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	6	1.11
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	1	1.1
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	1	1.1
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	5	1.1
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	5	1.1
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	11	1.1
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	11	1.1
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	16	1.1
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	16	1.1
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	6	1.1
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	6	1.1
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	6	1.1
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	15	1.1
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	15	1.1
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	9	1.1
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	10	1.1
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	12	1.1
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	14	1.1
(2,1893)	1:59:A:LEU:H	1:60:A:LYS:HB3	18	1.1
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	7	1.1
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	7	1.1
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	8	1.1
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	8	1.1
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	8	1.1
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	16	1.1
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	1	1.1
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	3	1.1
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	1	1.1
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	9	1.1
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	16	1.1
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	20	1.1
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	12	1.1
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	7	1.1
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	7	1.1
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	7	1.1
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	12	1.1
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	11	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	1	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	3	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	4	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	13	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	14	1.1
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	20	1.1
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	11	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	1	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	3	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	4	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	13	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	14	1.1
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	20	1.1
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	16	1.1
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	9	1.1
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	10	1.1
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:59:A:LEU:H	1:60:A:LYS:HB3	18	1.1
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	1	1.1
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	3	1.1
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	1	1.1
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	9	1.1
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	16	1.1
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	20	1.1
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	12	1.1
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	9	1.09
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	9	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	2	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	2	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	5	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	5	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	18	1.09
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	18	1.09
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	13	1.09
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	13	1.09
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	13	1.09
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	16	1.09
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	17	1.09
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	5	1.09
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	20	1.09
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	20	1.09
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	20	1.09
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	1	1.09
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	1	1.09
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	1	1.09
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	6	1.09
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	6	1.09
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	6	1.09
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	9	1.09
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	9	1.09
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	9	1.09
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	11	1.09
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	7	1.09
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	14	1.09
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	18	1.09
(2,793)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	20	1.09
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	5	1.09
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	16	1.09
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	5	1.09
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	16	1.09
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	19	1.09
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	16	1.09
(1,1038)	1:61:A:HIS:HE1	1:67:A:LYS:HB2	20	1.09
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	5	1.09
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	11	1.09
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	7	1.09
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	14	1.09
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	18	1.09
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	3	1.08
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	3	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	4	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	4	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	17	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	17	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	20	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	20	1.08
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	14	1.08
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	4	1.08
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	7	1.08
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	19	1.08
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	15	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	7	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	8	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	10	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	16	1.08
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	17	1.08
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	9	1.08
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	9	1.08
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	9	1.08
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	14	1.08
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	7	1.08
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	7	1.08
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	7	1.08
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	16	1.08
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	16	1.08
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	16	1.08
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	12	1.08
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	15	1.08
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	1	1.08
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	14	1.08
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	18	1.08
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	12	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	1	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	1	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	1	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	9	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	9	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	9	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	13	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	13	1.08
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	13	1.08
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	1	1.08
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	9	1.08
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	13	1.08
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	1	1.08
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	9	1.08
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	13	1.08
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	14	1.08
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	14	1.08
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	12	1.08
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	1	1.08
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	2	1.08
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	14	1.08
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	18	1.08
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	7	1.08
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	8	1.08
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	10	1.08
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	16	1.08
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	17	1.08
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	7	1.08
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	19	1.08
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	3	1.08
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	15	1.08
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	12	1.08
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	15	1.08
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	12	1.07
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	12	1.07
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	19	1.07
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	19	1.07
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	4	1.07
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	16	1.07
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	3	1.07
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	16	1.07
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	18	1.07
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	5	1.07
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	6	1.07
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	7	1.07
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	13	1.07
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	5	1.07
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	6	1.07
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	11	1.07
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	13	1.07
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	1	1.07
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	1	1.07
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	15	1.07
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	15	1.07
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	11	1.07
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	11	1.07
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	11	1.07
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	13	1.07
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	13	1.07
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	13	1.07
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	14	1.07
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	14	1.07
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	14	1.07
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	17	1.07
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	5	1.07
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	10	1.07
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	10	1.07
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	10	1.07
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	2	1.07
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	11	1.07
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	17	1.07
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	12	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	5	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	5	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	5	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	15	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	15	1.07
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	15	1.07
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	1	1.07
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	6	1.07
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	2	1.07
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	6	1.07
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	1	1.07
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	16	1.07
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	17	1.07
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	3	1.07
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	16	1.07
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	18	1.07
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	12	1.07
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	5	1.07
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	6	1.07
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	11	1.07
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	13	1.07
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	4	1.07
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	6	1.07
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	7	1.07
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	13	1.07
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	5	1.07
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	2	1.07
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	11	1.07
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	17	1.07
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	1	1.07
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	3	1.06
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	3	1.06
(2,3094)	2:101:B:LYS:HE3	2:103:B:ILE:HG13	16	1.06
(2,3094)	2:101:B:LYS:HE2	2:103:B:ILE:HG13	16	1.06
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	1	1.06
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	1	1.06
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	17	1.06
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	6	1.06
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	3	1.06
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	9	1.06
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	15	1.06
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	5	1.06
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	5	1.06
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	7	1.06
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	7	1.06
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	7	1.06
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	7	1.06
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	4	1.06
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	4	1.06
(2,1122)	1:56:A:GLU:HA	1:59:A:LEU:HB3	7	1.06
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	4	1.06
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	6	1.06
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	19	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	2	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	2	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	2	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	11	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	11	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	11	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	17	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	17	1.06
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	17	1.06
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	16	1.06
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	17	1.06
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	10	1.06
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	11	1.06
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	18	1.06
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	16	1.06
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	17	1.06
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	10	1.06
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	11	1.06
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	18	1.06
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	7	1.06
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	17	1.06
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	3	1.06
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	9	1.06
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	15	1.06
(1,849)	1:56:A:GLU:HA	1:59:A:LEU:HB3	7	1.06
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	4	1.06
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	6	1.06
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	19	1.06
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	6	1.05
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	7	1.05
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	5	1.05
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	6	1.05
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	20	1.05
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	8	1.05
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	8	1.05
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	8	1.05
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	19	1.05
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	14	1.05
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	14	1.05
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	20	1.05
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	2	1.05
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	15	1.05
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	15	1.05
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	15	1.05
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	10	1.05
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	1	1.05
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	5	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	8	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	8	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	8	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	10	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	10	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	10	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	14	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	14	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	14	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	20	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	20	1.05
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	20	1.05
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	20	1.05
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	2	1.05
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	4	1.05
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	19	1.05
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	5	1.05
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	6	1.05
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	6	1.05
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	7	1.05
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	1	1.05
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	5	1.05
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	20	1.05
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	10	1.05
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	2	1.04
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	2	1.04
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	3	1.04
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	3	1.04
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	15	1.04
(2,2646)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	15	1.04
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	7	1.04
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	11	1.04
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	11	1.04
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	13	1.04
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	13	1.04
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	15	1.04
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	15	1.04
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	4	1.04
(2,2323)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	19	1.04
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	1	1.04
(2,1919)	1:56:A:GLU:HA	1:60:A:LYS:HG2	19	1.04
(2,1679)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	20	1.04
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	18	1.04
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	18	1.04
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	18	1.04
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	3	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	3	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	3	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	3	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	12	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	12	1.04
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	12	1.04
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	12	1.04
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	12	1.04
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	15	1.04
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	12	1.04
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	12	1.04
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	15	1.04
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	4	1.04
(1,1908)	2:108:B:GLU:HB2	2:109:B:PRO:HD3	20	1.04
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	1	1.04
(1,853)	1:56:A:GLU:HA	1:60:A:LYS:HG2	19	1.04
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	3	1.04
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	4	1.03
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	4	1.03
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	20	1.03
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	20	1.03
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	16	1.03
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	15	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	1	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	1	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	2	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	6	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	6	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	8	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	8	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	9	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	9	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	12	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	12	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	17	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	17	1.03
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	19	1.03
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	19	1.03
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	8	1.03
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	7	1.03
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	7	1.03
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	7	1.03
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	5	1.03
(2,1056)	1:27:A:SER:HA	1:28:A:GLU:HB3	13	1.03
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	6	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	4	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	4	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	4	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	16	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	16	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	16	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	18	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	18	1.03
(2,777)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	18	1.03
(2,767)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	8	1.03
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	14	1.03
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	20	1.03
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	14	1.03
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	8	1.03
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	20	1.03
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	15	1.03
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	6	1.03
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	5	1.03
(1,148)	1:27:A:SER:HA	1:28:A:GLU:HB3	13	1.03
(1,106)	1:26:A:LEU:HB3	1:31:A:GLN:HB3	8	1.03
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	16	1.02
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	18	1.02
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	18	1.02
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	13	1.02
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	13	1.02
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	3	1.02
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	3	1.02
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	4	1.02
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	4	1.02
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	14	1.02
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	14	1.02
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	18	1.02
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	18	1.02
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	20	1.02
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	20	1.02
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	15	1.02
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	5	1.02
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	8	1.02
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	10	1.02
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	11	1.02
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	13	1.02
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	15	1.02
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	16	1.02
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	16	1.02
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	16	1.02
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	1	1.02
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	1	1.02
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	1	1.02
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	20	1.02
(2,974)	2:117:B:LYS:H	2:128:B:PRO:HB2	5	1.02
(2,586)	2:144:B:ARG:HB2	2:148:B:ASP:H	7	1.02
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	5	1.02
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	10	1.02
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	7	1.02
(1,2912)	2:144:B:ARG:HB2	2:148:B:ASP:H	7	1.02
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	7	1.02
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	5	1.02
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	5	1.02
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	10	1.02
(1,2202)	2:117:B:LYS:H	2:128:B:PRO:HB2	5	1.02
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	8	1.02
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	10	1.02
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	13	1.02
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	15	1.02
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	20	1.02
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	20	1.02
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	5	1.01
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	5	1.01
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	12	1.01
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	12	1.01
(2,2454)	2:91:B:MET:HA	2:153:B:LYS:HB3	19	1.01
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	16	1.01
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	16	1.01
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	3	1.01
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	7	1.01
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	9	1.01
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	10	1.01
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	12	1.01
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	4	1.01
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	20	1.01
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	8	1.01
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	8	1.01
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	12	1.01
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	12	1.01
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	12	1.01
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	1	1.01
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	1	1.01
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	13	1.01
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	7	1.01
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	9	1.01
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	10	1.01
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	12	1.01
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	1	1.01
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	13	1.01
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	1	1.01
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	4	1.01
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	20	1.01
(1,1322)	2:91:B:MET:HA	2:153:B:LYS:HB3	19	1.01
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	3	1.0
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	3	1.0
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	13	1.0
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	13	1.0
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	8	1.0
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3029)	2:90:B:GLY:HA2	2:91:B:MET:HB2	10	1.0
(2,3029)	2:90:B:GLY:HA3	2:91:B:MET:HB2	10	1.0
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	17	1.0
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	11	1.0
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	13	1.0
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	3	1.0
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	9	1.0
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	16	1.0
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	17	1.0
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	4	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	6	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	14	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	15	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	17	1.0
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	19	1.0
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	17	1.0
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	11	1.0
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	13	1.0
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	6	1.0
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	14	1.0
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	15	1.0
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	17	1.0
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	19	1.0
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	3	1.0
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	9	1.0
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	16	1.0
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	17	1.0
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	4	1.0
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	4	1.0
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	9	0.99
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	9	0.99
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	17	0.99
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	17	0.99
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	5	0.99
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	5	0.99
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	5	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	2	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	3	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	4	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	8	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	14	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	16	0.99
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	18	0.99
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	2	0.99
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	14	0.99
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	18	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	3	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	3	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	3	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	4	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	4	0.99
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	4	0.99
(2,993)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	7	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	2	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	7	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	8	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	9	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	11	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	12	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	16	0.99
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	18	0.99
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	9	0.99
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	9	0.99
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	5	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	2	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	3	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	4	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	8	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	14	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	15	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	16	0.99
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	18	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	2	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	7	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	8	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	9	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	11	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	12	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	16	0.99
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	18	0.99
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	18	0.99
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	2	0.99
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:61:A:HIS:HD2	1:67:A:LYS:HB2	7	0.99
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	7	0.98
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	7	0.98
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	13	0.98
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	18	0.98
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	6	0.98
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	1	0.98
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	18	0.98
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	1	0.98
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	6	0.98
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	16	0.98
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	20	0.98
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	20	0.98
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	20	0.98
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	13	0.98
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	1	0.98
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	2	0.98
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	14	0.98
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	9	0.98
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	9	0.98
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	9	0.98
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	9	0.98
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	9	0.98
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	15	0.98
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	3	0.98
(2,19)	2:134:B:ILE:HG12	2:140:B:LEU:H	8	0.98
(1,2650)	2:134:B:ILE:HG12	2:140:B:LEU:H	8	0.98
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	6	0.98
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	3	0.98
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	15	0.98
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	1	0.98
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	2	0.98
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	14	0.98
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	1	0.98
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	18	0.98
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	1	0.98
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	6	0.98
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	16	0.98
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	13	0.98
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	18	0.98
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	13	0.98
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	14	0.97
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	16	0.97
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	16	0.97
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	13	0.97
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	13	0.97
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	9	0.97
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	4	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	3	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	4	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	7	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	8	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	9	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	10	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	11	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	12	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	13	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	15	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	18	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	19	0.97
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	20	0.97
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	6	0.97
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	12	0.97
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	6	0.97
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	6	0.97
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	13	0.97
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	13	0.97
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	3	0.97
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	11	0.97
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	6	0.97
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	3	0.97
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	11	0.97
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	6	0.97
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	4	0.97
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	12	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	3	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	4	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	7	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	8	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	9	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	10	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	11	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	13	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	15	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	18	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	19	0.97
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	20	0.97
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	6	0.97
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	9	0.97
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	17	0.96
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	17	0.96
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	20	0.96
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	20	0.96
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	16	0.96
(2,2415)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	10	0.96
(2,2415)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	10	0.96
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	7	0.96
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	12	0.96
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	2	0.96
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	5	0.96
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	14	0.96
(2,1993)	2:96:B:LYS:HB2	2:97:B:THR:HA	17	0.96
(2,1453)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	17	0.96
(2,1453)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	17	0.96
(2,1453)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	17	0.96
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	2	0.96
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	2	0.96
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	2	0.96
(2,202)	2:121:B:GLN:HB3	2:126:B:ILE:H	4	0.96
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	7	0.96
(1,2309)	2:121:B:GLN:HB3	2:126:B:ILE:H	4	0.96
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	12	0.96
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	2	0.96
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	5	0.96
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	14	0.96
(1,1645)	2:96:B:LYS:HB2	2:97:B:THR:HA	17	0.96
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	16	0.96
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	1	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	1	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	10	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	10	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	15	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	15	0.95
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	19	0.95
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	9	0.95
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	9	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	1	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	3	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	4	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	8	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	11	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	12	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	17	0.95
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	20	0.95
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	11	0.95
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	6	0.95
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	20	0.95
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	7	0.95
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	14	0.95
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	14	0.95
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	14	0.95
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	20	0.95
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	4	0.95
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	13	0.95
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	11	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	2	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	2	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	11	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	11	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	16	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	16	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	17	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	17	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	18	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	18	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	20	0.95
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	20	0.95
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	5	0.95
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	10	0.95
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	6	0.95
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	6	0.95
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	6	0.95
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	20	0.95
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	7	0.95
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	10	0.95
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	11	0.95
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	6	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	1	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	3	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	4	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	8	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	11	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	12	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	17	0.95
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	20	0.95
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	12	0.95
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	4	0.95
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	13	0.95
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	20	0.95
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	11	0.95
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	2	0.94
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	2	0.94
(2,3314)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	19	0.94
(2,3314)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	19	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	2	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	2	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	6	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	6	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	13	0.94
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	13	0.94
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	1	0.94
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	1	0.94
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	8	0.94
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	8	0.94
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	18	0.94
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	18	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	2	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	5	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	7	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	10	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	14	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	15	0.94
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	19	0.94
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	3	0.94
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	16	0.94
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	16	0.94
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	5	0.94
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	7	0.94
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	3	0.94
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	6	0.94
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	9	0.94
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	11	0.94
(2,2231)	2:117:B:LYS:HA	2:128:B:PRO:HB2	5	0.94
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	19	0.94
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	19	0.94
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	19	0.94
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	19	0.94
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	19	0.94
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	12	0.94
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	12	0.94
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	12	0.94
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	3	0.94
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	6	0.94
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	9	0.94
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	11	0.94
(1,2167)	2:117:B:LYS:HA	2:128:B:PRO:HB2	5	0.94
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	5	0.94
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	7	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	2	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	5	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	7	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	10	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	14	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	15	0.94
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	19	0.94
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	3	0.94
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	16	0.93
(2,2728)	1:66:A:GLN:H	1:67:A:LYS:HB3	6	0.93
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	4	0.93
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	14	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	2	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	5	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	8	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	10	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	15	0.93
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	16	0.93
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	19	0.93
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	20	0.93
(2,2115)	2:107:B:VAL:HA	2:108:B:GLU:HB3	12	0.93
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	20	0.93
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	3	0.93
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	3	0.93
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	3	0.93
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	12	0.93
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	12	0.93
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	9	0.93
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	1	0.93
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	1	0.93
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	1	0.93
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	4	0.93
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	4	0.93
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	4	0.93
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	11	0.93
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	11	0.93
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	11	0.93
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	16	0.93
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	16	0.93
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	16	0.93
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	19	0.93
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	19	0.93
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	19	0.93
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	20	0.93
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	20	0.93
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	20	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	2	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	5	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	8	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	10	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	15	0.93
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	16	0.93
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	19	0.93
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	20	0.93
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	9	0.93
(1,1869)	2:107:B:VAL:HA	2:108:B:GLU:HB3	12	0.93
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	20	0.93
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	16	0.93
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	14	0.93
(1,1147)	1:66:A:GLN:H	1:67:A:LYS:HB3	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	7	0.93
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	4	0.93
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	14	0.92
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	14	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	1	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	1	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	6	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	6	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	15	0.92
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	15	0.92
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	14	0.92
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	14	0.92
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	19	0.92
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	10	0.92
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	11	0.92
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	15	0.92
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	16	0.92
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	13	0.92
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	5	0.92
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	5	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	1	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	3	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	13	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	17	0.92
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	20	0.92
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	1	0.92
(2,2199)	2:122:B:ASP:HB2	2:123:B:LYS:HA	17	0.92
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	17	0.92
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	4	0.92
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	4	0.92
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	10	0.92
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	10	0.92
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	18	0.92
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	7	0.92
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	7	0.92
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	7	0.92
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	8	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	8	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	8	0.92
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	10	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	10	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	13	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	13	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	13	0.92
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	15	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	15	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	15	0.92
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	19	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	19	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	19	0.92
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	20	0.92
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	20	0.92
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	20	0.92
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	1	0.92
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	3	0.92
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	13	0.92
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	17	0.92
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	20	0.92
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	1	0.92
(1,2344)	2:122:B:ASP:HB2	2:123:B:LYS:HA	17	0.92
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	18	0.92
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	10	0.92
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	11	0.92
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	15	0.92
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	16	0.92
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	5	0.92
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	17	0.92
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	19	0.92
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	13	0.92
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	20	0.91
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	20	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	8	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	8	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	19	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	19	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	20	0.91
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	20	0.91
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	3	0.91
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	3	0.91
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	5	0.91
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	5	0.91
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	15	0.91
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	17	0.91
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	17	0.91
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	2	0.91
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	14	0.91
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	17	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	2	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	3	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	4	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	8	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	9	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	12	0.91
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	19	0.91
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	4	0.91
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	14	0.91
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	2	0.91
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	10	0.91
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	4	0.91
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	12	0.91
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	18	0.91
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	17	0.91
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	6	0.91
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	3	0.91
(2,1521)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	3	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	12	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	12	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	12	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	14	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	14	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	14	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	15	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	15	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	15	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	16	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	16	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	16	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	18	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	18	0.91
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	18	0.91
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	20	0.91
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	20	0.91
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	20	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	3	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	3	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	3	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	9	0.91
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	9	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	9	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	14	0.91
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	14	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	14	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	17	0.91
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	17	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	17	0.91
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	18	0.91
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	18	0.91
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	18	0.91
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	4	0.91
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	12	0.91
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	18	0.91
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	2	0.91
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	10	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	2	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	3	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	4	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	8	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	9	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	12	0.91
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	19	0.91
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	17	0.91
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	6	0.91
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	2	0.91
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	14	0.91
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	17	0.91
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	4	0.91
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	14	0.91
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	3	0.9
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	3	0.9
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	13	0.9
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	13	0.9
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	5	0.9
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	5	0.9
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	12	0.9
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	12	0.9
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	14	0.9
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	17	0.9
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	18	0.9
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	20	0.9
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	4	0.9
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	14	0.9
(2,2263)	2:133:B:LEU:HA	2:134:B:ILE:HG12	19	0.9
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	4	0.9
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	7	0.9
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	7	0.9
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	7	0.9
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	8	0.9
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	10	0.9
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	16	0.9
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	10	0.9
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	5	0.9
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	7	0.9
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	9	0.9
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	7	0.9
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	9	0.9
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	13	0.9
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	19	0.9
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	20	0.9
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	14	0.9
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	19	0.9
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	16	0.9
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	16	0.9
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	16	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	5	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	5	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	5	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	9	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	9	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	9	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	10	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	10	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	10	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	11	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	11	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	11	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	13	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	13	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	17	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	17	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	17	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	19	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	19	0.9
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	19	0.9
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	3	0.9
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	3	0.9
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	3	0.9
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	5	0.9
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	5	0.9
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	5	0.9
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	16	0.9
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	16	0.9
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	16	0.9
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	14	0.9
(1,2576)	2:133:B:LEU:HA	2:134:B:ILE:HG12	19	0.9
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	4	0.9
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	14	0.9
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	19	0.9
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	5	0.9
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	7	0.9
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	9	0.9
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	17	0.9
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	18	0.9
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	20	0.9
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	1	0.9
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	10	0.9
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	8	0.9
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	10	0.9
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	16	0.9
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	4	0.9
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	7	0.9
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	9	0.9
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	13	0.9
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	19	0.9
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	20	0.9
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	9	0.89
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	9	0.89
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	11	0.89
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	11	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	18	0.89
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	18	0.89
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	10	0.89
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	10	0.89
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	17	0.89
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	17	0.89
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	2	0.89
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	2	0.89
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	4	0.89
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	4	0.89
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	19	0.89
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	19	0.89
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	1	0.89
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	5	0.89
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	18	0.89
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	19	0.89
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	14	0.89
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	18	0.89
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	17	0.89
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	17	0.89
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	17	0.89
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	16	0.89
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	20	0.89
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	2	0.89
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	19	0.89
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	7	0.89
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	10	0.89
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	1	0.89
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	15	0.89
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	12	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	8	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	8	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	8	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	20	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	20	0.89
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	20	0.89
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	6	0.89
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	6	0.89
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	6	0.89
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	1	0.89
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	1	0.89
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	14	0.89
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	14	0.89
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	14	0.89
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	17	0.89
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	17	0.89
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	17	0.89
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	5	0.89
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	18	0.89
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	19	0.89
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	14	0.89
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	12	0.89
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	7	0.89
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	10	0.89
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	2	0.89
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	19	0.89
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	1	0.89
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	8	0.89
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	16	0.89
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	20	0.89
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	18	0.89
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	1	0.89
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	15	0.89
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	7	0.88
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	7	0.88
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	11	0.88
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	11	0.88
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	4	0.88
(2,3248)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	4	0.88
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	9	0.88
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	9	0.88
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	10	0.88
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	10	0.88
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	11	0.88
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	11	0.88
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	7	0.88
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	7	0.88
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	3	0.88
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	6	0.88
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	5	0.88
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	18	0.88
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	10	0.88
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	10	0.88
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	20	0.88
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	8	0.88
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	13	0.88
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	2	0.88
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	5	0.88
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	11	0.88
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	17	0.88
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	16	0.88
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	6	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	1	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	1	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	1	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	2	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	2	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	2	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	3	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	3	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	3	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	5	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	5	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	5	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	7	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	7	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	7	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	8	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	8	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	8	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	10	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	10	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	10	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	11	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	11	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	11	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	14	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	14	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	14	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	15	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	15	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	15	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	18	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	18	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	19	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	19	0.88
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	19	0.88
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	2	0.88
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	2	0.88
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	2	0.88
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	11	0.88
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	11	0.88
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	11	0.88
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	3	0.88
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	6	0.88
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	5	0.88
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	8	0.88
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	13	0.88
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	18	0.88
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	16	0.88
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	6	0.88
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	20	0.88
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	2	0.88
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	5	0.88
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	11	0.88
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	17	0.88
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	8	0.87
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	8	0.87
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	12	0.87
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	12	0.87
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	17	0.87
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	5	0.87
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	18	0.87
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	9	0.87
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	15	0.87
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	18	0.87
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	14	0.87
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	14	0.87
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	1	0.87
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	14	0.87
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	16	0.87
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	17	0.87
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	7	0.87
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	12	0.87
(2,2215)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	19	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	11	0.87
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	1	0.87
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	1	0.87
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	1	0.87
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	18	0.87
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	18	0.87
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	18	0.87
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	16	0.87
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	8	0.87
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	10	0.87
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	14	0.87
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	16	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	3	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	5	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	9	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	11	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	14	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	19	0.87
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	20	0.87
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	3	0.87
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	9	0.87
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	9	0.87
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	9	0.87
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	17	0.87
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	17	0.87
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	17	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	4	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	4	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	4	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	9	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	9	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	9	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	12	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	12	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	12	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	13	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	13	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	13	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	16	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	16	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	16	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	17	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	17	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD11	20	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD12	20	0.87
(2,964)	1:50:A:PRO:HB3	1:53:A:ILE:HD13	20	0.87
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	2	0.87
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	2	0.87
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	2	0.87
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	4	0.87
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	4	0.87
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	4	0.87
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	1	0.87
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	14	0.87
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	16	0.87
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	17	0.87
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	7	0.87
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	12	0.87
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	11	0.87
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	16	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	3	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	5	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	9	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	11	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	14	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	19	0.87
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	20	0.87
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	17	0.87
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	8	0.87
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	10	0.87
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	14	0.87
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	16	0.87
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	3	0.87
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	5	0.87
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	18	0.87
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	9	0.87
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	15	0.87
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	18	0.87
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	1	0.86
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	1	0.86
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	9	0.86
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	20	0.86
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	1	0.86
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	4	0.86
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	4	0.86
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	8	0.86
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	8	0.86
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	13	0.86
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	4	0.86
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	17	0.86
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	9	0.86
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	11	0.86
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	11	0.86
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	11	0.86
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	12	0.86
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	12	0.86
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	12	0.86
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	15	0.86
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	15	0.86
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	15	0.86
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	15	0.86
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	18	0.86
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	15	0.86
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	16	0.86
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	3	0.86
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	4	0.86
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	12	0.86
(2,1649)	1:49:A:VAL:HB	1:50:A:PRO:HD3	18	0.86
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	1	0.86
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	2	0.86
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	13	0.86
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	5	0.86
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	5	0.86
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	5	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	1	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	2	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	4	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	7	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	8	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	13	0.86
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	18	0.86
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	13	0.86
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	4	0.86
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	9	0.86
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	1	0.86
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	2	0.86
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	13	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	1	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	2	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	4	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	7	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	8	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	13	0.86
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	18	0.86
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	15	0.86
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	16	0.86
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	18	0.86
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	15	0.86
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	3	0.86
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	4	0.86
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	12	0.86
(1,683)	1:49:A:VAL:HB	1:50:A:PRO:HD3	18	0.86
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	9	0.86
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	20	0.86
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	20	0.85
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	20	0.85
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	1	0.85
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	12	0.85
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	16	0.85
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	4	0.85
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	18	0.85
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	18	0.85
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	11	0.85
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	15	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	2	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	3	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	9	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	10	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	14	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	16	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	18	0.85
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	20	0.85
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	4	0.85
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	8	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	2	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	4	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	5	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	7	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	11	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	12	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	14	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	17	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	18	0.85
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	20	0.85
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	5	0.85
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	5	0.85
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	5	0.85
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	11	0.85
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	8	0.85
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	7	0.85
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	10	0.85
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	12	0.85
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	15	0.85
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	7	0.85
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	6	0.85
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	6	0.85
(2,1057)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	6	0.85
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	10	0.85
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	10	0.85
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	10	0.85
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	19	0.85
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	12	0.85
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	12	0.85
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	12	0.85
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	18	0.85
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	18	0.85
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	18	0.85
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	19	0.85
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	11	0.85
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	15	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	2	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	3	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	9	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	10	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	14	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	18	0.85
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	20	0.85
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	7	0.85
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	4	0.85
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	8	0.85
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	8	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	1	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	2	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	4	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	5	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	7	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	11	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	12	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	14	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	17	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	18	0.85
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	20	0.85
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	10	0.85
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	12	0.85
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	15	0.85
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	1	0.85
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	12	0.85
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	2	0.85
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	11	0.85
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	7	0.85
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	16	0.85
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	4	0.85
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	18	0.84
(2,3249)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	18	0.84
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	10	0.84
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	11	0.84
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	11	0.84
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	9	0.84
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	19	0.84
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	19	0.84
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	19	0.84
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	19	0.84
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	20	0.84
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	1	0.84
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	6	0.84
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	15	0.84
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	3	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	8	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	9	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	10	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	13	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	15	0.84
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	19	0.84
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	9	0.84
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	9	0.84
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	9	0.84
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	5	0.84
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	12	0.84
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	12	0.84
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	15	0.84
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	3	0.84
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	17	0.84
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	17	0.84
(2,1408)	2:118:B:ALA:HA	2:128:B:PRO:HD2	8	0.84
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	7	0.84
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	7	0.84
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	7	0.84
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	12	0.84
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	9	0.84
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	20	0.84
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	1	0.84
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	6	0.84
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	15	0.84
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	17	0.84
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	12	0.84
(1,2220)	2:118:B:ALA:HA	2:128:B:PRO:HD2	8	0.84
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	19	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	3	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	8	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	9	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	10	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	13	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	15	0.84
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	19	0.84
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	10	0.84
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	3	0.84
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	17	0.84
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	15	0.84
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	5	0.84
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	12	0.84
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	12	0.84
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	18	0.83
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	1	0.83
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	8	0.83
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	9	0.83
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	9	0.83
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	12	0.83
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	12	0.83
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	14	0.83
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	18	0.83
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	11	0.83
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	19	0.83
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	2	0.83
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	5	0.83
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	13	0.83
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	6	0.83
(2,2069)	2:95:B:VAL:H	2:103:B:ILE:HG12	16	0.83
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	16	0.83
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	16	0.83
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	16	0.83
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	2	0.83
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	8	0.83
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	14	0.83
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	3	0.83
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	15	0.83
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	17	0.83
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	6	0.83
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	14	0.83
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	7	0.83
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	15	0.83
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	19	0.83
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	6	0.83
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	6	0.83
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	6	0.83
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	16	0.83
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	12	0.83
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	6	0.83
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	7	0.83
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	19	0.83
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	14	0.83
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	18	0.83
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	11	0.83
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	19	0.83
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	6	0.83
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	14	0.83
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	2	0.83
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	5	0.83
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	13	0.83
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	7	0.83
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	15	0.83
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	19	0.83
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	3	0.83
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	15	0.83
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	17	0.83
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	6	0.83
(1,1593)	2:95:B:VAL:H	2:103:B:ILE:HG12	16	0.83
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	16	0.83
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	18	0.83
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	10	0.83
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	15	0.83
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	19	0.83
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	2	0.83
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	8	0.83
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	14	0.83
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	6	0.83
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	7	0.83
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	18	0.83
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	19	0.83
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	12	0.83
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	1	0.83
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	8	0.83
(2,2593)	1:69:A:LEU:HB2	1:70:A:SER:HA	13	0.82
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	3	0.82
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	19	0.82
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	19	0.82
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	20	0.82
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	20	0.82
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	2	0.82
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	12	0.82
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	2	0.82
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	9	0.82
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	1	0.82
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	15	0.82
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	19	0.82
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	6	0.82
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	4	0.82
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	4	0.82
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	4	0.82
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	8	0.82
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	15	0.82
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	15	0.82
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	15	0.82
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	16	0.82
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	16	0.82
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	16	0.82
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	3	0.82
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	20	0.82
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	5	0.82
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	5	0.82
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	5	0.82
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	1	0.82
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	17	0.82
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	20	0.82
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	2	0.82
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	12	0.82
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	13	0.82
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	1	0.82
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	15	0.82
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	19	0.82
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	6	0.82
(1,1203)	1:69:A:LEU:HB2	1:70:A:SER:HA	13	0.82
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	3	0.82
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	20	0.82
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	9	0.82
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	2	0.82
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	1	0.82
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	17	0.82
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	20	0.82
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	8	0.82
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	3	0.82
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	7	0.81
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	15	0.81
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	7	0.81
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	10	0.81
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	14	0.81
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	18	0.81
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	3	0.81
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	2	0.81
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	2	0.81
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	16	0.81
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	16	0.81
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	4	0.81
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	10	0.81
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	7	0.81
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	3	0.81
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	6	0.81
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	6	0.81
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	17	0.81
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	6	0.81
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	6	0.81
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	6	0.81
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	11	0.81
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	19	0.81
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	6	0.81
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	6	0.81
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	6	0.81
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	17	0.81
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	1	0.81
(2,858)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	10	0.81
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	1	0.81
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	2	0.81
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	7	0.81
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	9	0.81
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	19	0.81
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	9	0.81
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	9	0.81
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	9	0.81
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	2	0.81
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	4	0.81
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	5	0.81
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	9	0.81
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	10	0.81
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	7	0.81
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	3	0.81
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	6	0.81
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	17	0.81
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	10	0.81
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	11	0.81
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	19	0.81
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	6	0.81
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	17	0.81
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	15	0.81
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	6	0.81
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	14	0.81
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	1	0.81
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	2	0.81
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	7	0.81
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	9	0.81
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	19	0.81
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	2	0.81
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	4	0.81
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	5	0.81
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	9	0.81
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	1	0.81
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	7	0.81
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	10	0.81
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	14	0.81
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	18	0.81
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	3	0.81
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	17	0.8
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	17	0.8
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	2	0.8
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	7	0.8
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	5	0.8
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	17	0.8
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	17	0.8
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	7	0.8
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	10	0.8
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	6	0.8
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	17	0.8
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	12	0.8
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	15	0.8
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	16	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	16	0.8
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	3	0.8
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	8	0.8
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	4	0.8
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	4	0.8
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	4	0.8
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	19	0.8
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	19	0.8
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	19	0.8
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	14	0.8
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	14	0.8
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	14	0.8
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	14	0.8
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	5	0.8
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	9	0.8
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	9	0.8
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	9	0.8
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	9	0.8
(2,1231)	2:91:B:MET:HG2	2:153:B:LYS:HA	17	0.8
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	18	0.8
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	20	0.8
(2,749)	2:134:B:ILE:HD11	2:139:B:GLN:HB3	6	0.8
(2,749)	2:134:B:ILE:HD12	2:139:B:GLN:HB3	6	0.8
(2,749)	2:134:B:ILE:HD13	2:139:B:GLN:HB3	6	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	5	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	8	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	11	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	14	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	15	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	17	0.8
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	18	0.8
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	4	0.8
(2,574)	2:141:B:GLU:H	2:144:B:ARG:HB3	20	0.8
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	3	0.8
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	11	0.8
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	14	0.8
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	16	0.8
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	7	0.8
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	10	0.8
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	4	0.8
(1,2882)	2:141:B:GLU:H	2:144:B:ARG:HB3	20	0.8
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	15	0.8
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	16	0.8
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	6	0.8
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	17	0.8
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	5	0.8
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	9	0.8
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	16	0.8
(1,1353)	2:91:B:MET:HG2	2:153:B:LYS:HA	17	0.8
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	2	0.8
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	14	0.8
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	8	0.8
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	3	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	5	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	8	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	11	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	14	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	15	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	17	0.8
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	18	0.8
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	3	0.8
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	11	0.8
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	14	0.8
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	16	0.8
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	18	0.8
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	20	0.8
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	7	0.8
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	5	0.8
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	12	0.79
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	12	0.79
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	8	0.79
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	1	0.79
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	19	0.79
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	2	0.79
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	13	0.79
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	2	0.79
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	2	0.79
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	2	0.79
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	6	0.79
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	19	0.79
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	13	0.79
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	14	0.79
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	6	0.79
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	6	0.79
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	6	0.79
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	13	0.79
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	7	0.79
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	7	0.79
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	7	0.79
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	4	0.79
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	4	0.79
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	10	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	1	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	1	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	1	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	16	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	16	0.79
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	16	0.79
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	4	0.79
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	19	0.79
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	4	0.79
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	4	0.79
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	4	0.79
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	6	0.79
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	6	0.79
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	6	0.79
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	4	0.79
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	10	0.79
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	12	0.79
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	13	0.79
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	20	0.79
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	12	0.79
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	17	0.79
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	4	0.79
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	7	0.79
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	8	0.79
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	19	0.79
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	4	0.79
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	7	0.79
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	10	0.79
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	6	0.79
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	13	0.79
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	8	0.79
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	14	0.79
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	12	0.79
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	17	0.79
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	6	0.79
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	19	0.79
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	2	0.79
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	13	0.79
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	4	0.79
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	10	0.79
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	12	0.79
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	13	0.79
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	20	0.79
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	8	0.79
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	4	0.79
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	19	0.79
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	1	0.79
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	6	0.78
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	6	0.78
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	14	0.78
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	10	0.78
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	12	0.78
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	19	0.78
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	20	0.78
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	12	0.78
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	14	0.78
(2,2334)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	6	0.78
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	19	0.78
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	19	0.78
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	19	0.78
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	6	0.78
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	16	0.78
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	7	0.78
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	9	0.78
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	9	0.78
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	14	0.78
(2,1917)	1:57:A:ALA:HB1	1:61:A:HIS:HB3	13	0.78
(2,1917)	1:57:A:ALA:HB2	1:61:A:HIS:HB3	13	0.78
(2,1917)	1:57:A:ALA:HB3	1:61:A:HIS:HB3	13	0.78
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	19	0.78
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	13	0.78
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	13	0.78
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	13	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	9	0.78
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	11	0.78
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	4	0.78
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	15	0.78
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	15	0.78
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	15	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	3	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	3	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	3	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	11	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	11	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	11	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	13	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	13	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	13	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	18	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	18	0.78
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	18	0.78
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	11	0.78
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	14	0.78
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	16	0.78
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	17	0.78
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	8	0.78
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	8	0.78
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	8	0.78
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	11	0.78
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	11	0.78
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	11	0.78
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	3	0.78
(2,673)	1:50:A:PRO:HG3	1:53:A:ILE:H	16	0.78
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	11	0.78
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	20	0.78
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	11	0.78
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	6	0.78
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	16	0.78
(1,2585)	2:133:B:LEU:HB3	2:139:B:GLN:HG3	6	0.78
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	7	0.78
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	9	0.78
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	4	0.78
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	4	0.78
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	9	0.78
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	4	0.78
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	12	0.78
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	14	0.78
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	14	0.78
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	19	0.78
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	9	0.78
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	14	0.78
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	3	0.78
(1,729)	1:50:A:PRO:HG3	1:53:A:ILE:H	16	0.78
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	11	0.78
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	14	0.78
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	16	0.78
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	17	0.78
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	10	0.78
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	12	0.78
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	19	0.78
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	2	0.77
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	2	0.77
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	15	0.77
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	15	0.77
(2,2865)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	16	0.77
(2,2865)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	16	0.77
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	16	0.77
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	6	0.77
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	16	0.77
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	4	0.77
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	4	0.77
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	4	0.77
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	9	0.77
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	14	0.77
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	1	0.77
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	7	0.77
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	1	0.77
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	12	0.77
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	12	0.77
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	12	0.77
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	1	0.77
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	1	0.77
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	1	0.77
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	2	0.77
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	2	0.77
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	2	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	2	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	2	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	7	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	7	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	7	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	10	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	10	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	10	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	14	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	14	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	14	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	15	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	15	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	15	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	17	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	17	0.77
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	17	0.77
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	4	0.77
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	4	0.77
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	4	0.77
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	12	0.77
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	12	0.77
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	12	0.77
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	9	0.77
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	13	0.77
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	13	0.77
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	13	0.77
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	5	0.77
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	13	0.77
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	6	0.77
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	16	0.77
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	13	0.77
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	4	0.77
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	9	0.77
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	14	0.77
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	1	0.77
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	5	0.77
(1,1083)	1:64:A:ASP:HB2	1:67:A:LYS:HB3	17	0.77
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	1	0.77
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	7	0.77
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	16	0.77
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	11	0.76
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	11	0.76
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	14	0.76
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	14	0.76
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	19	0.76
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	19	0.76
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	14	0.76
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	14	0.76
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	3	0.76
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	4	0.76
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	5	0.76
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	13	0.76
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	2	0.76
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	7	0.76
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	15	0.76
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	8	0.76
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	3	0.76
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	8	0.76
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	15	0.76
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	5	0.76
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	15	0.76
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	11	0.76
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	15	0.76
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	8	0.76
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	13	0.76
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	5	0.76
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	9	0.76
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	9	0.76
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	9	0.76
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	15	0.76
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	15	0.76
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	15	0.76
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	17	0.76
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	17	0.76
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	17	0.76
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	18	0.76
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	18	0.76
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	18	0.76
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	4	0.76
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	2	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	8	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	8	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	12	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	12	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	12	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	19	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	19	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	19	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	20	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	20	0.76
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	20	0.76
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	1	0.76
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	1	0.76
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	1	0.76
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	2	0.76
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	10	0.76
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	15	0.76
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	6	0.76
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	10	0.76
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	15	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	3	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	7	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	8	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	10	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	15	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	16	0.76
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	18	0.76
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	3	0.76
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	8	0.76
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	15	0.76
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	11	0.76
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	15	0.76
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	2	0.76
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	5	0.76
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	15	0.76
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	4	0.76
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	8	0.76
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	13	0.76
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	3	0.76
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	4	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	3	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	8	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	10	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	15	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	16	0.76
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	18	0.76
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	6	0.76
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	10	0.76
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	15	0.76
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	5	0.76
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	2	0.76
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	10	0.76
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	15	0.76
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	5	0.76
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	8	0.76
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	13	0.76
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	2	0.76
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	7	0.76
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	15	0.76
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	9	0.75
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	9	0.75
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	8	0.75
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	6	0.75
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	12	0.75
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	17	0.75
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	1	0.75
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	13	0.75
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	1	0.75
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	16	0.75
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	5	0.75
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	17	0.75
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	4	0.75
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	5	0.75
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	17	0.75
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	1	0.75
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	4	0.75
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	6	0.75
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	19	0.75
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	1	0.75
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	4	0.75
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	12	0.75
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	6	0.75
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	6	0.75
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	9	0.75
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	9	0.75
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	9	0.75
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	10	0.75
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	10	0.75
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	10	0.75
(2,1678)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	20	0.75
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	20	0.75
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	8	0.75
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	17	0.75
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	17	0.75
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	17	0.75
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	1	0.75
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	1	0.75
(2,1273)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	1	0.75
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	19	0.75
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	1	0.75
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	19	0.75
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	1	0.75
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	1	0.75
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	1	0.75
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	7	0.75
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	7	0.75
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	7	0.75
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	8	0.75
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	8	0.75
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	8	0.75
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	10	0.75
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	20	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	1	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	2	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	4	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	5	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	6	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	9	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	12	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	13	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	14	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	17	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	19	0.75
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	1	0.75
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	13	0.75
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	10	0.75
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	20	0.75
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	19	0.75
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	5	0.75
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	17	0.75
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	8	0.75
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	20	0.75
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	8	0.75
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	1	0.75
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	16	0.75
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	4	0.75
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	5	0.75
(1,1913)	2:108:B:GLU:HG3	2:109:B:PRO:HD3	20	0.75
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	1	0.75
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	4	0.75
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	17	0.75
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	4	0.75
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	12	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	1	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	2	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	4	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	5	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	6	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	9	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	12	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	13	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	14	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	17	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	19	0.75
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	20	0.75
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	1	0.75
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	19	0.75
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	1	0.75
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	6	0.75
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	19	0.75
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	6	0.75
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	12	0.75
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	17	0.75
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	13	0.74
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	10	0.74
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	10	0.74
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	1	0.74
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	7	0.74
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	19	0.74
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	10	0.74
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	3	0.74
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	8	0.74
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	8	0.74
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	8	0.74
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	12	0.74
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	12	0.74
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	12	0.74
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	16	0.74
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	16	0.74
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	16	0.74
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	8	0.74
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	20	0.74
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	7	0.74
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	16	0.74
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	9	0.74
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	16	0.74
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	18	0.74
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	7	0.74
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	7	0.74
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	7	0.74
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	20	0.74
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	20	0.74
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	20	0.74
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	7	0.74
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	7	0.74
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	7	0.74
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	8	0.74
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	8	0.74
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	8	0.74
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	3	0.74
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	3	0.74
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	3	0.74
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	18	0.74
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	18	0.74
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	18	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	3	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	3	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	9	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	9	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	9	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	14	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	14	0.74
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	14	0.74
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	7	0.74
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	7	0.74
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	7	0.74
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	9	0.74
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	9	0.74
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	9	0.74
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	18	0.74
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	18	0.74
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	18	0.74
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	19	0.74
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	19	0.74
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	19	0.74
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	4	0.74
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	7	0.74
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	14	0.74
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	3	0.74
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	9	0.74
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	3	0.74
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	9	0.74
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	8	0.74
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	20	0.74
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	7	0.74
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	7	0.74
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	3	0.74
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	16	0.74
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	18	0.74
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	4	0.74
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	7	0.74
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	14	0.74
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	16	0.74
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	9	0.74
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	13	0.74
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	1	0.74
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	10	0.74
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	3	0.73
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	3	0.73
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	6	0.73
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	6	0.73
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	18	0.73
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	18	0.73
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	16	0.73
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	16	0.73
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	4	0.73
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	12	0.73
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	20	0.73
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	5	0.73
(2,2269)	2:132:B:ARG:HA	2:133:B:LEU:HB3	8	0.73
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	10	0.73
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	12	0.73
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	16	0.73
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	15	0.73
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	5	0.73
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	3	0.73
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	11	0.73
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	11	0.73
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	11	0.73
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	20	0.73
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	20	0.73
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	20	0.73
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	4	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	19	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	19	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	19	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	20	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	20	0.73
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	20	0.73
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	2	0.73
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	2	0.73
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	2	0.73
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	5	0.73
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	5	0.73
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	5	0.73
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	20	0.73
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	20	0.73
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	7	0.73
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	7	0.73
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	7	0.73
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	19	0.73
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	19	0.73
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	19	0.73
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	8	0.73
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	2	0.73
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	17	0.73
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	18	0.73
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	5	0.73
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	2	0.73
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	17	0.73
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	18	0.73
(1,2536)	2:132:B:ARG:HA	2:133:B:LEU:HB3	8	0.73
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	12	0.73
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	4	0.73
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	10	0.73
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	12	0.73
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	16	0.73
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	5	0.73
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	15	0.73
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	8	0.73
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	3	0.73
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	4	0.73
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	20	0.73
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	16	0.72
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	16	0.72
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	7	0.72
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	7	0.72
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	6	0.72
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	13	0.72
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	20	0.72
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	9	0.72
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	13	0.72
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	18	0.72
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	10	0.72
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	10	0.72
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	10	0.72
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	10	0.72
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	19	0.72
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	18	0.72
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	19	0.72
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	7	0.72
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	12	0.72
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	3	0.72
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	15	0.72
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	7	0.72
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	13	0.72
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	2	0.72
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	2	0.72
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	2	0.72
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	4	0.72
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	4	0.72
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	4	0.72
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	15	0.72
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	15	0.72
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	15	0.72
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	16	0.72
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	16	0.72
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	16	0.72
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	10	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	6	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	6	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	6	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	11	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	11	0.72
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	11	0.72
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	5	0.72
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	9	0.72
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	19	0.72
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	10	0.72
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	19	0.72
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	0.72
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	0.72
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	9	0.72
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	10	0.72
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	10	0.72
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	19	0.72
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	13	0.72
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	18	0.72
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	11	0.72
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	19	0.72
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	3	0.72
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	15	0.72
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	6	0.72
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	13	0.72
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	20	0.72
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	7	0.72
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	12	0.72
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	9	0.72
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	7	0.72
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	13	0.72
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	10	0.72
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	5	0.72
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	7	0.71
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	7	0.71
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	9	0.71
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	9	0.71
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	11	0.71
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	11	0.71
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	9	0.71
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	9	0.71
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	15	0.71
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	4	0.71
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	17	0.71
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	11	0.71
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	16	0.71
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	16	0.71
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	16	0.71
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	17	0.71
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	5	0.71
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	5	0.71
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	5	0.71
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	14	0.71
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	14	0.71
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	14	0.71
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	18	0.71
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	18	0.71
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	18	0.71
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	13	0.71
(2,2236)	2:127:B:PRO:HB3	2:130:B:GLN:H	8	0.71
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	2	0.71
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	9	0.71
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	14	0.71
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	2	0.71
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	5	0.71
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	12	0.71
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	12	0.71
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	12	0.71
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	7	0.71
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	7	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	13	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	13	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	13	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	18	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	18	0.71
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	18	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	6	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	6	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	6	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	10	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	10	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	10	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	13	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	13	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	13	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	14	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	14	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	14	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	15	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	15	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	15	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	16	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	16	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	16	0.71
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	20	0.71
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	20	0.71
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	20	0.71
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	6	0.71
(2,233)	1:66:A:GLN:H	1:66:A:GLN:HB3	11	0.71
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	6	0.71
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	17	0.71
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	6	0.71
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	2	0.71
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	13	0.71
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	13	0.71
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	13	0.71
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	4	0.71
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	17	0.71
(1,2449)	2:127:B:PRO:HB3	2:130:B:GLN:H	8	0.71
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	2	0.71
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	3	0.71
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	9	0.71
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	14	0.71
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	9	0.71
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	2	0.71
(1,1144)	1:66:A:GLN:H	1:66:A:GLN:HB3	11	0.71
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	5	0.71
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	6	0.71
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	9	0.71
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	15	0.71
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	11	0.71
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	12	0.7
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	12	0.7
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	20	0.7
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	20	0.7
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	3	0.7
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	3	0.7
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	9	0.7
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	9	0.7
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	15	0.7
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	15	0.7
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	7	0.7
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	19	0.7
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	14	0.7
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	18	0.7
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	20	0.7
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	8	0.7
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	4	0.7
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	2	0.7
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	8	0.7
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	13	0.7
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	15	0.7
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	17	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	5	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	6	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	14	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	18	0.7
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	19	0.7
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	1	0.7
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	11	0.7
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	15	0.7
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	9	0.7
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	13	0.7
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	12	0.7
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	6	0.7
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	6	0.7
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	8	0.7
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	20	0.7
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	20	0.7
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	20	0.7
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	2	0.7
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	2	0.7
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	2	0.7
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	16	0.7
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	16	0.7
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	16	0.7
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	2	0.7
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	2	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	8	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	8	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	8	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	12	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	12	0.7
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	12	0.7
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	8	0.7
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	8	0.7
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	8	0.7
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	11	0.7
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	11	0.7
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	11	0.7
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	17	0.7
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	17	0.7
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	17	0.7
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	10	0.7
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	4	0.7
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	11	0.7
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	11	0.7
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	10	0.7
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	14	0.7
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	18	0.7
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	20	0.7
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	2	0.7
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	8	0.7
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	13	0.7
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	15	0.7
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	17	0.7
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	7	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	4	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	5	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	6	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	14	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	18	0.7
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	19	0.7
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	17	0.7
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	17	0.7
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	8	0.7
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	6	0.7
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	12	0.7
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	9	0.7
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	13	0.7
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	1	0.7
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	11	0.7
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	15	0.7
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	19	0.7
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	6	0.7
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	6	0.7
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	8	0.7
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	2	0.69
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	2	0.69
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	19	0.69
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	19	0.69
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	13	0.69
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	13	0.69
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	5	0.69
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	11	0.69
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	20	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	7	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	7	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	7	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	20	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	20	0.69
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	20	0.69
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	9	0.69
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	3	0.69
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	3	0.69
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	20	0.69
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	20	0.69
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	20	0.69
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	20	0.69
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	19	0.69
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	19	0.69
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	15	0.69
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	15	0.69
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	15	0.69
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	17	0.69
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	17	0.69
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	17	0.69
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	12	0.69
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	1	0.69
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	6	0.69
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	3	0.69
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	10	0.69
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	11	0.69
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	13	0.69
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	19	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	2	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	3	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	12	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	14	0.69
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	17	0.69
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	9	0.69
(2,1860)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	7	0.69
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	1	0.69
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	1	0.69
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	1	0.69
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	19	0.69
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	19	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	4	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	4	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	4	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	7	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	7	0.69
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	7	0.69
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	8	0.69
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	8	0.69
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	8	0.69
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	5	0.69
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	2	0.69
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	16	0.69
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	12	0.69
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	18	0.69
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	1	0.69
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	1	0.69
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	1	0.69
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	20	0.69
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	8	0.69
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	8	0.69
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	5	0.69
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	12	0.69
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	5	0.69
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	11	0.69
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	15	0.69
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	12	0.69
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	18	0.69
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	1	0.69
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	6	0.69
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	19	0.69
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	3	0.69
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	10	0.69
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	11	0.69
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	13	0.69
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	15	0.69
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	15	0.69
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	16	0.69
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	16	0.69
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	2	0.69
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	16	0.69
(1,1034)	1:61:A:HIS:HD2	1:67:A:LYS:HG2	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	9	0.69
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	2	0.69
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	3	0.69
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	12	0.69
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	14	0.69
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	17	0.69
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	1	0.69
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	20	0.69
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	9	0.69
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	14	0.68
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	14	0.68
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	5	0.68
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	5	0.68
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	1	0.68
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	1	0.68
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	11	0.68
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	3	0.68
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	3	0.68
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	3	0.68
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	6	0.68
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	6	0.68
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	6	0.68
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	19	0.68
(2,2587)	1:25:A:GLN:HA	1:26:A:LEU:HB3	13	0.68
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	3	0.68
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	4	0.68
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	4	0.68
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	4	0.68
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	19	0.68
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	2	0.68
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	20	0.68
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	1	0.68
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	3	0.68
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	5	0.68
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	13	0.68
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	10	0.68
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	7	0.68
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	8	0.68
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	9	0.68
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	20	0.68
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	12	0.68
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	16	0.68
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	20	0.68
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	17	0.68
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	14	0.68
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	14	0.68
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	14	0.68
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	3	0.68
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	3	0.68
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	3	0.68
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	13	0.68
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	13	0.68
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	13	0.68
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	13	0.68
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	3	0.68
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	5	0.68
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	16	0.68
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	1	0.68
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	15	0.68
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	7	0.68
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	19	0.68
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	2	0.68
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	1	0.68
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	3	0.68
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	19	0.68
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	3	0.68
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	5	0.68
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	16	0.68
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	5	0.68
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	13	0.68
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	10	0.68
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	20	0.68
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	7	0.68
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	12	0.68
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	1	0.68
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	11	0.68
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	8	0.68
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	9	0.68
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	20	0.68
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	2	0.68
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	2	0.68
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	13	0.68
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	10	0.68
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	16	0.68
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	20	0.68
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	15	0.68
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	7	0.68
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	3	0.68
(1,85)	1:25:A:GLN:HA	1:26:A:LEU:HB3	13	0.68
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	1	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	1	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	3	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	3	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	8	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	8	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	11	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	11	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	13	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	13	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	17	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	17	0.67
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	18	0.67
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	1	0.67
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	6	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	1	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	3	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	4	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	6	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	7	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	9	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	18	0.67
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	20	0.67
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	11	0.67
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	3	0.67
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	3	0.67
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	3	0.67
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	10	0.67
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	3	0.67
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	15	0.67
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	16	0.67
(2,2043)	2:91:B:MET:HB3	2:154:B:GLU:H	1	0.67
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	4	0.67
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	8	0.67
(2,1950)	1:50:A:PRO:HD3	1:53:A:ILE:H	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	5	0.67
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	11	0.67
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	11	0.67
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	8	0.67
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	8	0.67
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	8	0.67
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	2	0.67
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	2	0.67
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	2	0.67
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	18	0.67
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	18	0.67
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	18	0.67
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	2	0.67
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	2	0.67
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	2	0.67
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	12	0.67
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	10	0.67
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	10	0.67
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	10	0.67
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	8	0.67
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	8	0.67
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	8	0.67
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	10	0.67
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	10	0.67
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	10	0.67
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	10	0.67
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	10	0.67
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	10	0.67
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	12	0.67
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	16	0.67
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	20	0.67
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	11	0.67
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	4	0.67
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	15	0.67
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	6	0.67
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	9	0.67
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	20	0.67
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	5	0.67
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	9	0.67
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	10	0.67
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	14	0.67
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	15	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	1	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	3	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	4	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	6	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	7	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	9	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	18	0.67
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	20	0.67
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	20	0.67
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	7	0.67
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	7	0.67
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	12	0.67
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	16	0.67
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	10	0.67
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	1	0.67
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	6	0.67
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	4	0.67
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	12	0.67
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	3	0.67
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	15	0.67
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	16	0.67
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	11	0.67
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	6	0.67
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	9	0.67
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	20	0.67
(1,1328)	2:91:B:MET:HB3	2:154:B:GLU:H	1	0.67
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	6	0.67
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	6	0.67
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	7	0.67
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	7	0.67
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	12	0.67
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	12	0.67
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	11	0.67
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	11	0.67
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	5	0.67
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	11	0.67
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	4	0.67
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	8	0.67
(1,721)	1:50:A:PRO:HD3	1:53:A:ILE:H	18	0.67
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	5	0.67
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	10	0.67
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	14	0.67
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	18	0.67
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	18	0.67
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	9	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	9	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	18	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	18	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	20	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	20	0.66
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	13	0.66
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	13	0.66
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	3	0.66
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	2	0.66
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	6	0.66
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	6	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	2	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	2	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	2	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	15	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	15	0.66
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	15	0.66
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	10	0.66
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	13	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	5	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	8	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	11	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	12	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	13	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	14	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	16	0.66
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	19	0.66
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	7	0.66
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	9	0.66
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	2	0.66
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	8	0.66
(2,2150)	2:112:B:THR:HA	2:113:B:ILE:HG13	20	0.66
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	19	0.66
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	11	0.66
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	2	0.66
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	7	0.66
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1864)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	18	0.66
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	3	0.66
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	3	0.66
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	3	0.66
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	11	0.66
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	11	0.66
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	11	0.66
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	3	0.66
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	3	0.66
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	3	0.66
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	16	0.66
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	18	0.66
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	11	0.66
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	11	0.66
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	11	0.66
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	7	0.66
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	17	0.66
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	18	0.66
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	19	0.66
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	11	0.66
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	5	0.66
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	5	0.66
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	5	0.66
(2,458)	1:66:A:GLN:HB3	1:68:A:ALA:H	18	0.66
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	14	0.66
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	11	0.66
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	14	0.66
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	18	0.66
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	4	0.66
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	13	0.66
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	17	0.66
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	10	0.66
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	13	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	5	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	8	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	11	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	12	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	13	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	14	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	16	0.66
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	19	0.66
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	9	0.66
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	7	0.66
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	17	0.66
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	18	0.66
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	19	0.66
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	2	0.66
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	3	0.66
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	16	0.66
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	18	0.66
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	19	0.66
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	8	0.66
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	7	0.66
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	9	0.66
(1,1986)	2:112:B:THR:HA	2:113:B:ILE:HG13	20	0.66
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	11	0.66
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	11	0.66
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	14	0.66
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	18	0.66
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	11	0.66
(1,1134)	1:66:A:GLN:HB3	1:68:A:ALA:H	18	0.66
(1,1033)	1:61:A:HIS:HD2	1:67:A:LYS:HD3	18	0.66
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	14	0.66
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	2	0.66
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	7	0.66
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	20	0.66
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	4	0.66
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	4	0.66
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	4	0.66
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	13	0.66
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	17	0.66
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	2	0.66
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	12	0.65
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	12	0.65
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	1	0.65
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	1	0.65
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	2	0.65
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	19	0.65
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	6	0.65
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	6	0.65
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	6	0.65
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	12	0.65
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	12	0.65
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	13	0.65
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	13	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	3	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	3	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	3	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	5	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	5	0.65
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	5	0.65
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	3	0.65
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	6	0.65
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	9	0.65
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	11	0.65
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	10	0.65
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	8	0.65
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	5	0.65
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	5	0.65
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	6	0.65
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	18	0.65
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	6	0.65
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	14	0.65
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	1	0.65
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	1	0.65
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	1	0.65
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	9	0.65
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	9	0.65
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	9	0.65
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	3	0.65
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	9	0.65
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	9	0.65
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	9	0.65
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	8	0.65
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	8	0.65
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	9	0.65
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	9	0.65
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	19	0.65
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	19	0.65
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	19	0.65
(2,1411)	2:118:B:ALA:HA	2:128:B:PRO:HG2	13	0.65
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG21	5	0.65
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG22	5	0.65
(2,1324)	2:93:B:ILE:HG12	2:95:B:VAL:HG23	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	8	0.65
(2,1218)	1:26:A:LEU:HD11	1:59:A:LEU:HB2	3	0.65
(2,1218)	1:26:A:LEU:HD12	1:59:A:LEU:HB2	3	0.65
(2,1218)	1:26:A:LEU:HD13	1:59:A:LEU:HB2	3	0.65
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	3	0.65
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	3	0.65
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	3	0.65
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	6	0.65
(2,421)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	3	0.65
(2,421)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	3	0.65
(2,421)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	3	0.65
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	13	0.65
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	19	0.65
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	11	0.65
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	12	0.65
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	3	0.65
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	6	0.65
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	9	0.65
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	11	0.65
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	10	0.65
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	6	0.65
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	3	0.65
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	6	0.65
(1,2221)	2:118:B:ALA:HA	2:128:B:PRO:HG2	13	0.65
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	8	0.65
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	18	0.65
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	13	0.65
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	19	0.65
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	6	0.65
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	14	0.65
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	8	0.65
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	18	0.65
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	18	0.65
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	20	0.65
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	20	0.65
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	11	0.65
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	12	0.65
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	2	0.65
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	19	0.65
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	4	0.64
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	4	0.64
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	5	0.64
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	11	0.64
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	11	0.64
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	3	0.64
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	9	0.64
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	13	0.64
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	6	0.64
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	18	0.64
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	18	0.64
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	18	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	2	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	7	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	8	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	16	0.64
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	17	0.64
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	15	0.64
(2,2372)	2:145:B:THR:HA	2:146:B:LEU:HB3	17	0.64
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	1	0.64
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	1	0.64
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	1	0.64
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	4	0.64
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	4	0.64
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	4	0.64
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	11	0.64
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	11	0.64
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	11	0.64
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	20	0.64
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	20	0.64
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	20	0.64
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	2	0.64
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	4	0.64
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	12	0.64
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	18	0.64
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	16	0.64
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	16	0.64
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	16	0.64
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	9	0.64
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	1	0.64
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	15	0.64
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	3	0.64
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	8	0.64
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	20	0.64
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	15	0.64
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	15	0.64
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	15	0.64
(2,1669)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	5	0.64
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	14	0.64
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	14	0.64
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	14	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	9	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	11	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	14	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	15	0.64
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	20	0.64
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	4	0.64
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	9	0.64
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	11	0.64
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	14	0.64
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	3	0.64
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	5	0.64
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	9	0.64
(2,132)	1:31:A:GLN:H	1:31:A:GLN:HG2	13	0.64
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	3	0.64
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	8	0.64
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	14	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	2	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	7	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	8	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	16	0.64
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	17	0.64
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	15	0.64
(1,2933)	2:145:B:THR:HA	2:146:B:LEU:HB3	17	0.64
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	4	0.64
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	9	0.64
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	9	0.64
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	11	0.64
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	14	0.64
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	15	0.64
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	20	0.64
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	13	0.64
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	9	0.64
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	11	0.64
(1,2446)	2:127:B:PRO:HB3	2:128:B:PRO:HD3	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	2	0.64
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	4	0.64
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	12	0.64
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	18	0.64
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	9	0.64
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	3	0.64
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	5	0.64
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	14	0.64
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	14	0.64
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	18	0.64
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	18	0.64
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	3	0.64
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	8	0.64
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	15	0.64
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	20	0.64
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	1	0.64
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	15	0.64
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	3	0.64
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	9	0.64
(1,262)	1:31:A:GLN:H	1:31:A:GLN:HG2	13	0.64
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	8	0.64
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	8	0.64
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	13	0.64
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	13	0.64
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	13	0.64
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	3	0.64
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	8	0.64
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	6	0.64
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	2	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	2	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	6	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	6	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	7	0.63
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	7	0.63
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	3	0.63
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	3	0.63
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	5	0.63
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	12	0.63
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	11	0.63
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	11	0.63
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	11	0.63
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	10	0.63
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	6	0.63
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	12	0.63
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	7	0.63
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	7	0.63
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	7	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	8	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	8	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	8	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	10	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	10	0.63
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	10	0.63
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	1	0.63
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	18	0.63
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	6	0.63
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	6	0.63
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	6	0.63
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	7	0.63
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	7	0.63
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	7	0.63
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	14	0.63
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	19	0.63
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	9	0.63
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	14	0.63
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	5	0.63
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	2	0.63
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	7	0.63
(2,2000)	2:96:B:LYS:HG3	2:97:B:THR:HA	10	0.63
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	10	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	1	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	2	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	4	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	5	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	6	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	7	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	11	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	13	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	14	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	17	0.63
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	19	0.63
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	5	0.63
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	5	0.63
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	10	0.63
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	10	0.63
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	10	0.63
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	1	0.63
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	3	0.63
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	13	0.63
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	2	0.63
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	5	0.63
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	10	0.63
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	4	0.63
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	2	0.63
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	10	0.63
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	5	0.63
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	1	0.63
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	18	0.63
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	2	0.63
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	1	0.63
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	3	0.63
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	13	0.63
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	14	0.63
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	19	0.63
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	10	0.63
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	5	0.63
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	9	0.63
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	14	0.63
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	2	0.63
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	7	0.63
(1,1650)	2:96:B:LYS:HG3	2:97:B:THR:HA	10	0.63
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	4	0.63
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	5	0.63
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	11	0.63
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	11	0.63
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	19	0.63
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	19	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	1	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	2	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	4	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	5	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	6	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	7	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	13	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	14	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	17	0.63
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	19	0.63
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	10	0.63
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	2	0.63
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	12	0.63
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	6	0.63
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	12	0.63
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	8	0.63
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	6	0.62
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	6	0.62
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	19	0.62
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	19	0.62
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	13	0.62
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	13	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	10	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	10	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	17	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	17	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	20	0.62
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	20	0.62
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	14	0.62
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	17	0.62
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	13	0.62
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	13	0.62
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	13	0.62
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	16	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	6	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	6	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	6	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	10	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	10	0.62
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	10	0.62
(2,2480)	2:157:B:LEU:HA	2:158:B:HIS:HB3	11	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	6	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	6	0.62
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	6	0.62
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	12	0.62
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	14	0.62
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	15	0.62
(2,2344)	2:113:B:ILE:HG12	2:140:B:LEU:HA	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	11	0.62
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	20	0.62
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	10	0.62
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	13	0.62
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	20	0.62
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	9	0.62
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	10	0.62
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	12	0.62
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	18	0.62
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	11	0.62
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	16	0.62
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	16	0.62
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	16	0.62
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	17	0.62
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	17	0.62
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	17	0.62
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	5	0.62
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	5	0.62
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	5	0.62
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	11	0.62
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	11	0.62
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	11	0.62
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	12	0.62
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	12	0.62
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	12	0.62
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	20	0.62
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	20	0.62
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	2	0.62
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	2	0.62
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	2	0.62
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	12	0.62
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	12	0.62
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	12	0.62
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	4	0.62
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	8	0.62
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	2	0.62
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	16	0.62
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	12	0.62
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	2	0.62
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	10	0.62
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	12	0.62
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	19	0.62
(1,3193)	2:157:B:LEU:HA	2:158:B:HIS:HB3	11	0.62
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	12	0.62
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	12	0.62
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	14	0.62
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	15	0.62
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	12	0.62
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	2	0.62
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	20	0.62
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	20	0.62
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	8	0.62
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	4	0.62
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	16	0.62
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	10	0.62
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	13	0.62
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	20	0.62
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	11	0.62
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	20	0.62
(1,2036)	2:113:B:ILE:HG12	2:140:B:LEU:HA	4	0.62
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	2	0.62
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	10	0.62
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	5	0.62
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	5	0.62
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	9	0.62
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	10	0.62
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	12	0.62
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	18	0.62
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	16	0.62
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	11	0.62
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	7	0.62
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	7	0.62
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	5	0.62
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	5	0.62
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	16	0.62
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	19	0.62
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	14	0.62
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	17	0.62
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	4	0.61
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	4	0.61
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	7	0.61
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	7	0.61
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	10	0.61
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	3	0.61
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	7	0.61
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	20	0.61
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	16	0.61
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	16	0.61
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	16	0.61
(2,2647)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	6	0.61
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	17	0.61
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	17	0.61
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	17	0.61
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	1	0.61
(2,2375)	2:145:B:THR:HB	2:146:B:LEU:HB3	5	0.61
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	2	0.61
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	2	0.61
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	7	0.61
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	10	0.61
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	10	0.61
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	10	0.61
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	15	0.61
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	15	0.61
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	15	0.61
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	16	0.61
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	16	0.61
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	16	0.61
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	6	0.61
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	10	0.61
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	19	0.61
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	4	0.61
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	4	0.61
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	4	0.61
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	10	0.61
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	10	0.61
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	10	0.61
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	15	0.61
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	15	0.61
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	15	0.61
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	2	0.61
(2,1092)	2:134:B:ILE:H	2:134:B:ILE:HG12	8	0.61
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	11	0.61
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	12	0.61
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	12	0.61
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	13	0.61
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	17	0.61
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	2	0.61
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	8	0.61
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	10	0.61
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	14	0.61
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	16	0.61
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	8	0.61
(1,2939)	2:145:B:THR:HB	2:146:B:LEU:HB3	5	0.61
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	10	0.61
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	14	0.61
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	16	0.61
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	13	0.61
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	2	0.61
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	2	0.61
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	13	0.61
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	13	0.61
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	11	0.61
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	2	0.61
(1,2654)	2:134:B:ILE:H	2:134:B:ILE:HG12	8	0.61
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	17	0.61
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	6	0.61
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	7	0.61
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	2	0.61
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	10	0.61
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	19	0.61
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	3	0.61
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	7	0.61
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	20	0.61
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	1	0.61
(1,107)	1:26:A:LEU:HB3	1:31:A:GLN:HG2	6	0.61
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	15	0.6
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	15	0.6
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	16	0.6
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	16	0.6
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	4	0.6
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	4	0.6
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	8	0.6
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	8	0.6
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	15	0.6
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	3	0.6
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	20	0.6
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	9	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	10	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	10	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	10	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	15	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	15	0.6
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	15	0.6
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	2	0.6
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	9	0.6
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	9	0.6
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	9	0.6
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	12	0.6
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	12	0.6
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	12	0.6
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	15	0.6
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	15	0.6
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	15	0.6
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	17	0.6
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	4	0.6
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	12	0.6
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	16	0.6
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	16	0.6
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	16	0.6
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	15	0.6
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	15	0.6
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	1	0.6
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	1	0.6
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	1	0.6
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	7	0.6
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	7	0.6
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	13	0.6
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	20	0.6
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	7	0.6
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	12	0.6
(2,265)	2:146:B:LEU:HB2	2:151:B:ILE:H	16	0.6
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	7	0.6
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	8	0.6
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	5	0.6
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	17	0.6
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	6	0.6
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	20	0.6
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	7	0.6
(1,2983)	2:146:B:LEU:HB2	2:151:B:ILE:H	16	0.6
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	5	0.6
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	17	0.6
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	18	0.6
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	20	0.6
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	11	0.6
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	11	0.6
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	7	0.6
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	13	0.6
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	7	0.6
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	7	0.6
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	8	0.6
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	9	0.6
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	9	0.6
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	12	0.6
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	12	0.6
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	9	0.6
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	17	0.6
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	13	0.6
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	13	0.6
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	6	0.6
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	20	0.6
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	3	0.6
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	20	0.6
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	2	0.6
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	5	0.59
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	5	0.59
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	10	0.59
(2,3372)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	10	0.59
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	1	0.59
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	1	0.59
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	8	0.59
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	10	0.59
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	9	0.59
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	9	0.59
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	9	0.59
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	1	0.59
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	1	0.59
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	7	0.59
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	18	0.59
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	19	0.59
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	16	0.59
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	16	0.59
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	16	0.59
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	14	0.59
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	14	0.59
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	9	0.59
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	9	0.59
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	9	0.59
(2,2294)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	18	0.59
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	1	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	10	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	10	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	10	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	17	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	17	0.59
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	17	0.59
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	12	0.59
(2,1878)	1:58:A:ILE:HG13	1:63:A:PHE:HA	16	0.59
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	19	0.59
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	17	0.59
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	17	0.59
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	17	0.59
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	11	0.59
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	11	0.59
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	11	0.59
(2,1715)	2:113:B:ILE:HG21	2:117:B:LYS:HB3	4	0.59
(2,1715)	2:113:B:ILE:HG22	2:117:B:LYS:HB3	4	0.59
(2,1715)	2:113:B:ILE:HG23	2:117:B:LYS:HB3	4	0.59
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	4	0.59
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	4	0.59
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	4	0.59
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	1	0.59
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	3	0.59
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	9	0.59
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	2	0.59
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	14	0.59
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	15	0.59
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	20	0.59
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	19	0.59
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	12	0.59
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	7	0.59
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	8	0.59
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	11	0.59
(2,65)	1:26:A:LEU:H	1:26:A:LEU:HB3	15	0.59
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	19	0.59
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	7	0.59
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	8	0.59
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	11	0.59
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	8	0.59
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	8	0.59
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	1	0.59
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	3	0.59
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	9	0.59
(1,2651)	2:134:B:ILE:HG12	2:158:B:HIS:HB3	18	0.59
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	2	0.59
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	14	0.59
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	15	0.59
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	20	0.59
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	1	0.59
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	12	0.59
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	3	0.59
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	3	0.59
(1,922)	1:58:A:ILE:HG13	1:63:A:PHE:HA	16	0.59
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	10	0.59
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	12	0.59
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	10	0.59
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	19	0.59
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	1	0.59
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	1	0.59
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	15	0.59
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	15	0.59
(1,123)	1:26:A:LEU:H	1:26:A:LEU:HB3	15	0.59
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	8	0.59
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	7	0.59
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	18	0.59
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	19	0.59
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	4	0.58
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	13	0.58
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	16	0.58
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	2	0.58
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	12	0.58
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	12	0.58
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	12	0.58
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	17	0.58
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	17	0.58
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	17	0.58
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	19	0.58
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	19	0.58
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	19	0.58
(2,2602)	2:131:B:GLN:HA	2:161:B:LEU:HB2	2	0.58
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	3	0.58
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	9	0.58
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	9	0.58
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	9	0.58
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	4	0.58
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	16	0.58
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	16	0.58
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	16	0.58
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	12	0.58
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	12	0.58
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	12	0.58
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	6	0.58
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	6	0.58
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	4	0.58
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	4	0.58
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	4	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	3	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	3	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	3	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	13	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	13	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	13	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	20	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	20	0.58
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	20	0.58
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	1	0.58
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	17	0.58
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	6	0.58
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	6	0.58
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	6	0.58
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	13	0.58
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	13	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	2	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	2	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	2	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	3	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	3	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	3	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	4	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	4	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	4	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	8	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	8	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	8	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	10	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	10	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	10	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	11	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	11	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	11	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	12	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	12	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	12	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	14	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	14	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	14	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	15	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	15	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	15	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	16	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	16	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	16	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	17	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	17	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	17	0.58
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	18	0.58
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	18	0.58
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	18	0.58
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	20	0.58
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	20	0.58
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	20	0.58
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	4	0.58
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	6	0.58
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	15	0.58
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	20	0.58
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	18	0.58
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	18	0.58
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	18	0.58
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	1	0.58
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	1	0.58
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	1	0.58
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	1	0.58
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	3	0.58
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	9	0.58
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	19	0.58
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	20	0.58
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	5	0.58
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	19	0.58
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	20	0.58
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	4	0.58
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	4	0.58
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	4	0.58
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	6	0.58
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	15	0.58
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	20	0.58
(1,2514)	2:131:B:GLN:HA	2:161:B:LEU:HB2	2	0.58
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	1	0.58
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	1	0.58
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	17	0.58
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	3	0.58
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	3	0.58
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	9	0.58
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	4	0.58
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	13	0.58
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	16	0.58
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	17	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	9	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	9	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	9	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	13	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	13	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	13	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	19	0.58
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	19	0.58
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	2	0.58
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	5	0.58
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	5	0.58
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	4	0.58
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	8	0.57
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	8	0.57
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	6	0.57
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	6	0.57
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	11	0.57
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	8	0.57
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	11	0.57
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	8	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	2	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	2	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	2	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	5	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	5	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	5	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	11	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	11	0.57
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	11	0.57
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	20	0.57
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	1	0.57
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	5	0.57
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	5	0.57
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	5	0.57
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	4	0.57
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	4	0.57
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	4	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	9	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	9	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	9	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	14	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	14	0.57
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	14	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	1	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	1	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	1	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	5	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	5	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	6	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	6	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	6	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	7	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	7	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	7	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	8	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	8	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	8	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	11	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	11	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	11	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	12	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	12	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	12	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	13	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	13	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	13	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	15	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	15	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	15	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	17	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	17	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	17	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	18	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	18	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	18	0.57
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	19	0.57
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	19	0.57
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	19	0.57
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	2	0.57
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	2	0.57
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	2	0.57
(2,2304)	2:134:B:ILE:HG21	2:139:B:GLN:HG2	13	0.57
(2,2304)	2:134:B:ILE:HG22	2:139:B:GLN:HG2	13	0.57
(2,2304)	2:134:B:ILE:HG23	2:139:B:GLN:HG2	13	0.57
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	3	0.57
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	3	0.57
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	3	0.57
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	8	0.57
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	8	0.57
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	17	0.57
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	17	0.57
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	17	0.57
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	20	0.57
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	20	0.57
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	20	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	8	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	8	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	8	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	9	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	9	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	9	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	11	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	11	0.57
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	11	0.57
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	4	0.57
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	12	0.57
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	12	0.57
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	12	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	1	0.57
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	1	0.57
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	1	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	5	0.57
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	5	0.57
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	5	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	7	0.57
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	7	0.57
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	7	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	13	0.57
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	13	0.57
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	13	0.57
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	20	0.57
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	20	0.57
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	20	0.57
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	15	0.57
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	15	0.57
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	15	0.57
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	18	0.57
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	18	0.57
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	18	0.57
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	7	0.57
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	7	0.57
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	7	0.57
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	20	0.57
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	20	0.57
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	20	0.57
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	10	0.57
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	19	0.57
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	11	0.57
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	13	0.57
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	13	0.57
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	17	0.57
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	13	0.57
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	6	0.57
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	6	0.57
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	7	0.57
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	7	0.57
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	10	0.57
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	19	0.57
(1,1739)	2:101:B:LYS:HE3	2:103:B:ILE:HG13	16	0.57
(1,1739)	2:101:B:LYS:HE2	2:103:B:ILE:HG13	16	0.57
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	1	0.57
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	1	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	15	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	15	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	15	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	17	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	17	0.57
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	17	0.57
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	11	0.57
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	13	0.57
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	4	0.57
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	8	0.57
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	11	0.57
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	6	0.57
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	6	0.57
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	6	0.57
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	8	0.57
(1,324)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	15	0.57
(1,324)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	15	0.57
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	14	0.57
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	11	0.57
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	20	0.57
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	1	0.57
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	12	0.56
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	19	0.56
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	4	0.56
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	8	0.56
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	8	0.56
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	8	0.56
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	20	0.56
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	20	0.56
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	20	0.56
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	5	0.56
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	9	0.56
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	10	0.56
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	17	0.56
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	10	0.56
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	10	0.56
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	19	0.56
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	19	0.56
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	19	0.56
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	1	0.56
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	1	0.56
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	1	0.56
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	4	0.56
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	4	0.56
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	4	0.56
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	14	0.56
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	14	0.56
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	14	0.56
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	20	0.56
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	20	0.56
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	20	0.56
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	7	0.56
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	7	0.56
(2,2205)	2:122:B:ASP:H	2:123:B:LYS:HG3	17	0.56
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	9	0.56
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	9	0.56
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	9	0.56
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	13	0.56
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	13	0.56
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	15	0.56
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	16	0.56
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	19	0.56
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	7	0.56
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	15	0.56
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	16	0.56
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	8	0.56
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	8	0.56
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	8	0.56
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	19	0.56
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	19	0.56
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	19	0.56
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	7	0.56
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	7	0.56
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	7	0.56
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	9	0.56
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	9	0.56
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	9	0.56
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	9	0.56
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	8	0.56
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	7	0.56
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	7	0.56
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	7	0.56
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	17	0.56
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	17	0.56
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	17	0.56
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	6	0.56
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	6	0.56
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	2	0.56
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	9	0.56
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	9	0.56
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	2	0.56
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	9	0.56
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	8	0.56
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	15	0.56
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	15	0.56
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	18	0.56
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	18	0.56
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	9	0.56
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	9	0.56
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	6	0.56
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	15	0.56
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	16	0.56
(1,2349)	2:122:B:ASP:H	2:123:B:LYS:HG3	17	0.56
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	15	0.56
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	16	0.56
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	19	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	3	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	3	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	3	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	11	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	11	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	11	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	20	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	20	0.56
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	20	0.56
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	6	0.56
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	12	0.56
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	19	0.56
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	4	0.56
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	6	0.56
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	6	0.56
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	5	0.56
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	9	0.56
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	10	0.56
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	17	0.56
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	11	0.55
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	11	0.55
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	14	0.55
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	14	0.55
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	17	0.55
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	17	0.55
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	18	0.55
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	18	0.55
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	18	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	4	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	4	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	4	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	14	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	14	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	14	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	19	0.55
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	19	0.55
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	13	0.55
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	8	0.55
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	8	0.55
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	8	0.55
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	3	0.55
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	3	0.55
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	3	0.55
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	8	0.55
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	8	0.55
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	16	0.55
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	16	0.55
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	19	0.55
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	19	0.55
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	19	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	5	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	8	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	9	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	10	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	11	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	17	0.55
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	20	0.55
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	10	0.55
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	1	0.55
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	1	0.55
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	1	0.55
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	13	0.55
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	13	0.55
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	13	0.55
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	17	0.55
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	17	0.55
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	17	0.55
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	9	0.55
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	9	0.55
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	9	0.55
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	11	0.55
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	7	0.55
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	17	0.55
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	11	0.55
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	5	0.55
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	11	0.55
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	2	0.55
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	2	0.55
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	5	0.55
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	5	0.55
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	5	0.55
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	2	0.55
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	2	0.55
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	2	0.55
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	10	0.55
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	10	0.55
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	10	0.55
(2,584)	2:147:B:SER:H	2:148:B:ASP:HB3	10	0.55
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	13	0.55
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	1	0.55
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	17	0.55
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	12	0.55
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	14	0.55
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	11	0.55
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	12	0.55
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	14	0.55
(1,3020)	2:147:B:SER:H	2:148:B:ASP:HB3	10	0.55
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	5	0.55
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	11	0.55
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	11	0.55
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	3	0.55
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	3	0.55
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	16	0.55
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	16	0.55
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	17	0.55
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	17	0.55
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	13	0.55
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	7	0.55
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	17	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	5	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	8	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	9	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	10	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	11	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	17	0.55
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	20	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	6	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	6	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	7	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	7	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	7	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	16	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	16	0.55
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	16	0.55
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	1	0.55
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	17	0.55
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	7	0.55
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	7	0.55
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	7	0.55
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	10	0.55
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	13	0.55
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	4	0.54
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	4	0.54
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	6	0.54
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	6	0.54
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	2	0.54
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	2	0.54
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	19	0.54
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	19	0.54
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	15	0.54
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	18	0.54
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	4	0.54
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD11	12	0.54
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD12	12	0.54
(2,2596)	1:41:A:MET:HB2	1:69:A:LEU:HD13	12	0.54
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	8	0.54
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	8	0.54
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	8	0.54
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	10	0.54
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	10	0.54
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	18	0.54
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	18	0.54
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	18	0.54
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	16	0.54
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	4	0.54
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	4	0.54
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	4	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	7	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	7	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	11	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	11	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	11	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	17	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	17	0.54
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	17	0.54
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	2	0.54
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	2	0.54
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	2	0.54
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	9	0.54
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	9	0.54
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	9	0.54
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	16	0.54
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	16	0.54
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	16	0.54
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	12	0.54
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	12	0.54
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	11	0.54
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	11	0.54
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	11	0.54
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	3	0.54
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	4	0.54
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	6	0.54
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	7	0.54
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	13	0.54
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	9	0.54
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	12	0.54
(2,1835)	1:72:A:VAL:HB	1:73:A:LEU:HB3	10	0.54
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	17	0.54
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	17	0.54
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	17	0.54
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	9	0.54
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	9	0.54
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	9	0.54
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	2	0.54
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	2	0.54
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	2	0.54
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	17	0.54
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	17	0.54
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	17	0.54
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	12	0.54
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	4	0.54
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	4	0.54
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	4	0.54
(2,1085)	1:28:A:GLU:HA	1:31:A:GLN:HB3	13	0.54
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	7	0.54
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	8	0.54
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	10	0.54
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	10	0.54
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	10	0.54
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	14	0.54
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	14	0.54
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	14	0.54
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	9	0.54
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	9	0.54
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	9	0.54
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	15	0.54
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	15	0.54
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	15	0.54
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	18	0.54
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	18	0.54
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	18	0.54
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	4	0.54
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	5	0.54
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	8	0.54
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	18	0.54
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	3	0.54
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	11	0.54
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	14	0.54
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	16	0.54
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	4	0.54
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	12	0.54
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	18	0.54
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	8	0.54
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	7	0.54
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	10	0.54
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	10	0.54
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	14	0.54
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	14	0.54
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	3	0.54
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	4	0.54
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	7	0.54
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	13	0.54
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	16	0.54
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	4	0.54
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	4	0.54
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	20	0.54
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	20	0.54
(1,1244)	1:72:A:VAL:HB	1:73:A:LEU:HB3	10	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	5	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	5	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	5	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	10	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	10	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	10	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	13	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	13	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	13	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	14	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	14	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	14	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	19	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	19	0.54
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	19	0.54
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	3	0.54
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	11	0.54
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	14	0.54
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	16	0.54
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	4	0.54
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	5	0.54
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	8	0.54
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	15	0.54
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	18	0.54
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	4	0.54
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	9	0.54
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	12	0.54
(1,176)	1:28:A:GLU:HA	1:31:A:GLN:HB3	13	0.54
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	18	0.53
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	18	0.53
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	12	0.53
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	12	0.53
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	1	0.53
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	5	0.53
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	14	0.53
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	18	0.53
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	11	0.53
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	14	0.53
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	12	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	3	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	3	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	3	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	18	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	18	0.53
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	18	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	1	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	1	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	1	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	17	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	17	0.53
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	17	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	1	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	2	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	3	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	5	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	8	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	9	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	10	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	11	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	12	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	13	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	14	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	15	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	17	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	18	0.53
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	20	0.53
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	20	0.53
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	20	0.53
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	20	0.53
(2,2402)	2:148:B:ASP:HB2	2:149:B:TYR:HA	10	0.53
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	17	0.53
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	17	0.53
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	17	0.53
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	10	0.53
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	4	0.53
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	4	0.53
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	4	0.53
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	2	0.53
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	7	0.53
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	20	0.53
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	1	0.53
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	17	0.53
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	17	0.53
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	17	0.53
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	6	0.53
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	6	0.53
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	16	0.53
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	16	0.53
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	16	0.53
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	6	0.53
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	6	0.53
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	6	0.53
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	13	0.53
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	6	0.53
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	13	0.53
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	17	0.53
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	7	0.53
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	18	0.53
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	17	0.53
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	3	0.53
(1,3026)	2:148:B:ASP:HB2	2:149:B:TYR:HA	10	0.53
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	6	0.53
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	13	0.53
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	17	0.53
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	3	0.53
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	12	0.53
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	12	0.53
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	13	0.53
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	2	0.53
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	2	0.53
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	2	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	1	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	2	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	3	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	5	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	9	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	10	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	11	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	12	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	13	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	14	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	15	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	17	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	18	0.53
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	20	0.53
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	13	0.53
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	13	0.53
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	1	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	1	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	1	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	1	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	2	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	2	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	2	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	9	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	9	0.53
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	9	0.53
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	17	0.53
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	7	0.53
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	18	0.53
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	1	0.53
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	2	0.53
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	5	0.53
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	14	0.53
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	18	0.53
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	11	0.53
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	14	0.53
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	7	0.53
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	20	0.53
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	8	0.53
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	8	0.53
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	8	0.53
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	8	0.53
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	10	0.53
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	10	0.53
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	4	0.52
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	7	0.52
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	7	0.52
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	16	0.52
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	16	0.52
(2,2823)	1:27:A:SER:HB3	1:28:A:GLU:HB3	12	0.52
(2,2823)	1:27:A:SER:HB2	1:28:A:GLU:HB3	12	0.52
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	12	0.52
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	10	0.52
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	14	0.52
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	20	0.52
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	20	0.52
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	20	0.52
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	4	0.52
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	6	0.52
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	7	0.52
(2,2476)	2:94:B:PHE:HB3	2:156:B:THR:HB	19	0.52
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	3	0.52
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	3	0.52
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	3	0.52
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	8	0.52
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	8	0.52
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	8	0.52
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	9	0.52
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	9	0.52
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	9	0.52
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	11	0.52
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	11	0.52
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	11	0.52
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	19	0.52
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	19	0.52
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	19	0.52
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG21	13	0.52
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG22	13	0.52
(2,2381)	2:144:B:ARG:HB2	2:145:B:THR:HG23	13	0.52
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	15	0.52
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	15	0.52
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	20	0.52
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	20	0.52
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	6	0.52
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	18	0.52
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	14	0.52
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	14	0.52
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	18	0.52
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	18	0.52
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	18	0.52
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	5	0.52
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	5	0.52
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	5	0.52
(2,1650)	1:49:A:VAL:HG21	1:50:A:PRO:HD3	6	0.52
(2,1650)	1:49:A:VAL:HG22	1:50:A:PRO:HD3	6	0.52
(2,1650)	1:49:A:VAL:HG23	1:50:A:PRO:HD3	6	0.52
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	4	0.52
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	18	0.52
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	11	0.52
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	11	0.52
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	11	0.52
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	14	0.52
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	14	0.52
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	14	0.52
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	16	0.52
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	16	0.52
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	16	0.52
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	13	0.52
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	20	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	2	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	7	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	10	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	13	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	15	0.52
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	20	0.52
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	1	0.52
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	15	0.52
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	20	0.52
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	18	0.52
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	1	0.52
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	15	0.52
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	4	0.52
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	6	0.52
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	4	0.52
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	6	0.52
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	7	0.52
(1,1525)	2:94:B:PHE:HB3	2:156:B:THR:HB	19	0.52
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	12	0.52
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	12	0.52
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	12	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	2	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	7	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	10	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	13	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	15	0.52
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	20	0.52
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	18	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	3	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	3	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	3	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	5	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	5	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	5	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	15	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	15	0.52
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	15	0.52
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	12	0.52
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	7	0.52
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	7	0.52
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	14	0.52
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	12	0.51
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	12	0.51
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	6	0.51
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	10	0.51
(2,2701)	1:50:A:PRO:HG3	1:51:A:ASP:H	6	0.51
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	1	0.51
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	5	0.51
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	8	0.51
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	11	0.51
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	2	0.51
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	2	0.51
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	2	0.51
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	14	0.51
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	14	0.51
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	14	0.51
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	15	0.51
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	15	0.51
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	15	0.51
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	15	0.51
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	15	0.51
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	17	0.51
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	6	0.51
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	6	0.51
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	6	0.51
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	17	0.51
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	8	0.51
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	11	0.51
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	16	0.51
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	19	0.51
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	7	0.51
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	7	0.51
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	7	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	1	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	1	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	1	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	18	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	18	0.51
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	18	0.51
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	7	0.51
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	7	0.51
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	7	0.51
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	14	0.51
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	14	0.51
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	14	0.51
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	6	0.51
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	13	0.51
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	18	0.51
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	18	0.51
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	18	0.51
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	14	0.51
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	14	0.51
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	14	0.51
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	9	0.51
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	11	0.51
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	11	0.51
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	11	0.51
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	12	0.51
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	12	0.51
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	12	0.51
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	1	0.51
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	1	0.51
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	15	0.51
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	15	0.51
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	15	0.51
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	3	0.51
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	3	0.51
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	3	0.51
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	13	0.51
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	13	0.51
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	13	0.51
(2,404)	2:128:B:PRO:HB3	2:129:B:ASP:H	8	0.51
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	15	0.51
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	20	0.51
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	1	0.51
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	5	0.51
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	6	0.51
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	9	0.51
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	12	0.51
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	6	0.51
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	6	0.51
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	13	0.51
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	17	0.51
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	17	0.51
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	6	0.51
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	9	0.51
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	1	0.51
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	1	0.51
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	5	0.51
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	5	0.51
(1,2471)	2:128:B:PRO:HB3	2:129:B:ASP:H	8	0.51
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	8	0.51
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	11	0.51
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	17	0.51
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	17	0.51
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	8	0.51
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	8	0.51
(1,1310)	2:90:B:GLY:HA2	2:91:B:MET:HB2	10	0.51
(1,1310)	2:90:B:GLY:HA3	2:91:B:MET:HB2	10	0.51
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	5	0.51
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	8	0.51
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	19	0.51
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	1	0.51
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	5	0.51
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	6	0.51
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	9	0.51
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	12	0.51
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	15	0.51
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	20	0.51
(1,725)	1:50:A:PRO:HG3	1:51:A:ASP:H	6	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	1	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	1	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	1	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	11	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	11	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	11	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	17	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	17	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	17	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	20	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	20	0.51
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	20	0.51
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	1	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	1	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	1	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	9	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	9	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	14	0.51
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	14	0.51
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	6	0.51
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	10	0.51
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	11	0.51
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	5	0.5
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	5	0.5
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	14	0.5
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	14	0.5
(2,3030)	2:90:B:GLY:HA2	2:91:B:MET:HG3	10	0.5
(2,3030)	2:90:B:GLY:HA3	2:91:B:MET:HG3	10	0.5
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	16	0.5
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	16	0.5
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	16	0.5
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	16	0.5
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	15	0.5
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	15	0.5
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	15	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	4	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	6	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	7	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	10	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	13	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	15	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	16	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	17	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	19	0.5
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	20	0.5
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	15	0.5
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	16	0.5
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	12	0.5
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	1	0.5
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	1	0.5
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	1	0.5
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	17	0.5
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	17	0.5
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	17	0.5
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	18	0.5
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	18	0.5
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	18	0.5
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	20	0.5
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	20	0.5
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	20	0.5
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	13	0.5
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	13	0.5
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	13	0.5
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	7	0.5
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	3	0.5
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	14	0.5
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	16	0.5
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	3	0.5
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	7	0.5
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	20	0.5
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	20	0.5
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	20	0.5
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	2	0.5
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	1	0.5
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	1	0.5
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	1	0.5
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	9	0.5
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	19	0.5
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	19	0.5
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	19	0.5
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	7	0.5
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	7	0.5
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	7	0.5
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	8	0.5
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	8	0.5
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	8	0.5
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	12	0.5
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	12	0.5
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	12	0.5
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	20	0.5
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	19	0.5
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	2	0.5
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	3	0.5
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	3	0.5
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	14	0.5
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	20	0.5
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	7	0.5
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	9	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	4	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	6	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	7	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	10	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	13	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	15	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	16	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	17	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	19	0.5
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	20	0.5
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	7	0.5
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	19	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	10	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	10	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	10	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	12	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	12	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	16	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	16	0.5
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	16	0.5
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	16	0.5
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	17	0.5
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	16	0.5
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	9	0.5
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	9	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	11	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	11	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	16	0.5
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	16	0.5
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	16	0.5
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	15	0.5
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	16	0.5
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	12	0.5
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	5	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	5	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	15	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	15	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	16	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	16	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	1	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	1	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	5	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	5	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	18	0.49
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	18	0.49
(2,2775)	2:91:B:MET:HG3	2:108:B:GLU:HA	19	0.49
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	16	0.49
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	10	0.49
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	8	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	1	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	2	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	9	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	11	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	12	0.49
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	14	0.49
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	3	0.49
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	3	0.49
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	15	0.49
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	15	0.49
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	15	0.49
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	6	0.49
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	6	0.49
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	6	0.49
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	13	0.49
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	13	0.49
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	13	0.49
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	19	0.49
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	19	0.49
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	19	0.49
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	12	0.49
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	12	0.49
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	12	0.49
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	9	0.49
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	9	0.49
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	18	0.49
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	18	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	5	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	5	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	5	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	7	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	7	0.49
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	7	0.49
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	16	0.49
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	18	0.49
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	3	0.49
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	5	0.49
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	18	0.49
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	5	0.49
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	10	0.49
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	17	0.49
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	20	0.49
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	5	0.49
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	5	0.49
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	5	0.49
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	11	0.49
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	11	0.49
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	11	0.49
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	11	0.49
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	14	0.49
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	14	0.49
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	14	0.49
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	20	0.49
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	20	0.49
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	20	0.49
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	12	0.49
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	12	0.49
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	12	0.49
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	16	0.49
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	16	0.49
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	16	0.49
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	8	0.49
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	16	0.49
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	20	0.49
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	16	0.49
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	16	0.49
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	16	0.49
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	5	0.49
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	5	0.49
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	5	0.49
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	16	0.49
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	2	0.49
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	9	0.49
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	6	0.49
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	7	0.49
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	15	0.49
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	15	0.49
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	15	0.49
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	15	0.49
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	4	0.49
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	4	0.49
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	4	0.49
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	19	0.49
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	19	0.49
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	19	0.49
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	10	0.49
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	17	0.49
(2,294)	1:54:A:LEU:H	1:56:A:GLU:HB2	19	0.49
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	7	0.49
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	18	0.49
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	16	0.49
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	20	0.49
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	7	0.49
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	2	0.49
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	2	0.49
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	7	0.49
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	15	0.49
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	6	0.49
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	5	0.49
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	10	0.49
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	17	0.49
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	20	0.49
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	16	0.49
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	10	0.49
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	9	0.49
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	3	0.49
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	3	0.49
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	13	0.49
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	13	0.49
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	18	0.49
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	17	0.49
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	16	0.49
(1,1342)	2:91:B:MET:HG3	2:108:B:GLU:HA	19	0.49
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	2	0.49
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	16	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	1	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	2	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	9	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	11	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	12	0.49
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	14	0.49
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	18	0.49
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	18	0.49
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	18	0.49
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	18	0.49
(1,816)	1:54:A:LEU:H	1:56:A:GLU:HB2	19	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	2	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	2	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	2	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	4	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	4	0.49
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	10	0.49
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	3	0.49
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	5	0.49
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	18	0.49
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	6	0.49
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	6	0.49
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	13	0.49
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	13	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	2	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	2	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	5	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	5	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	18	0.49
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	18	0.49
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	10	0.48
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	10	0.48
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	18	0.48
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	18	0.48
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	2	0.48
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	2	0.48
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	6	0.48
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	2	0.48
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	2	0.48
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	2	0.48
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	4	0.48
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	4	0.48
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	4	0.48
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	13	0.48
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	17	0.48
(2,2588)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	18	0.48
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG21	13	0.48
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG22	13	0.48
(2,2562)	1:40:A:HIS:HB2	1:44:A:VAL:HG23	13	0.48
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	5	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	12	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	12	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	12	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	14	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	14	0.48
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	14	0.48
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	7	0.48
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	7	0.48
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	5	0.48
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	7	0.48
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	7	0.48
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	7	0.48
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	5	0.48
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	6	0.48
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	9	0.48
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	12	0.48
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	10	0.48
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	20	0.48
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	14	0.48
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	14	0.48
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	13	0.48
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	13	0.48
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	10	0.48
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	10	0.48
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	10	0.48
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	10	0.48
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	14	0.48
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	15	0.48
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	8	0.48
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	8	0.48
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	8	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	7	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	7	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	7	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	11	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	11	0.48
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	11	0.48
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	15	0.48
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	15	0.48
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	15	0.48
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	6	0.48
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	7	0.48
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	18	0.48
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	18	0.48
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	18	0.48
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	11	0.48
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	4	0.48
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	1	0.48
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	8	0.48
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	8	0.48
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	9	0.48
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	9	0.48
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	9	0.48
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	19	0.48
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	1	0.48
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	15	0.48
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	4	0.48
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	10	0.48
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	14	0.48
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	15	0.48
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	1	0.48
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	4	0.48
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	4	0.48
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	14	0.48
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	4	0.48
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	4	0.48
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	19	0.48
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	11	0.48
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	9	0.48
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	12	0.48
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	1	0.48
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	5	0.48
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	6	0.48
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	7	0.48
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	5	0.48
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	6	0.48
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	15	0.48
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	10	0.48
(1,1040)	1:61:A:HIS:HE1	1:67:A:LYS:HG2	18	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	8	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	8	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	8	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	14	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	14	0.48
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	14	0.48
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	20	0.48
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	6	0.48
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	8	0.48
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	8	0.48
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	14	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	4	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	4	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	17	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	17	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	20	0.48
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	20	0.48
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	5	0.48
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	6	0.47
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	6	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	3	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	3	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	3	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	3	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	3	0.47
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	3	0.47
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	3	0.47
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	3	0.47
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	15	0.47
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	15	0.47
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	8	0.47
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	6	0.47
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	7	0.47
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	9	0.47
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	15	0.47
(2,2560)	1:26:A:LEU:HB2	1:30:A:ASP:H	11	0.47
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	14	0.47
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	14	0.47
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	1	0.47
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	1	0.47
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	1	0.47
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	11	0.47
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	11	0.47
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	11	0.47
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	16	0.47
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	16	0.47
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	16	0.47
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	2	0.47
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	11	0.47
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	15	0.47
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	20	0.47
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	16	0.47
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	1	0.47
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	1	0.47
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	1	0.47
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	12	0.47
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	12	0.47
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	12	0.47
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	19	0.47
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	19	0.47
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	19	0.47
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	2	0.47
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	2	0.47
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	2	0.47
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	8	0.47
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	8	0.47
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	8	0.47
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	18	0.47
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	18	0.47
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	18	0.47
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	19	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	2	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	2	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	2	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	7	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	7	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	7	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	9	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	9	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	9	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	11	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	11	0.47
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	11	0.47
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	5	0.47
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	7	0.47
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	11	0.47
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	12	0.47
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	18	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	2	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	2	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	2	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	8	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	8	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	9	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	9	0.47
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	9	0.47
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	17	0.47
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	17	0.47
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	17	0.47
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	18	0.47
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	1	0.47
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	1	0.47
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	1	0.47
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	8	0.47
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	14	0.47
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	9	0.47
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	16	0.47
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	16	0.47
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	16	0.47
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	20	0.47
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	17	0.47
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	16	0.47
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	4	0.47
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	19	0.47
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	4	0.47
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	14	0.47
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	14	0.47
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	16	0.47
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	9	0.47
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	6	0.47
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	6	0.47
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	18	0.47
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	2	0.47
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	8	0.47
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	14	0.47
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	5	0.47
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	7	0.47
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	11	0.47
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	12	0.47
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	18	0.47
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	11	0.47
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	16	0.47
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	15	0.47
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	20	0.47
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	17	0.47
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	5	0.47
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	8	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	2	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	2	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	11	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	11	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	16	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	16	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	17	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	17	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	18	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	18	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	20	0.47
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	20	0.47
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	12	0.47
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	12	0.47
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	19	0.47
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	19	0.47
(1,115)	1:26:A:LEU:HB2	1:30:A:ASP:H	11	0.47
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	6	0.46
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	6	0.46
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	19	0.46
(2,3373)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	19	0.46
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	19	0.46
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	19	0.46
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	5	0.46
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	20	0.46
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	5	0.46
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	19	0.46
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	12	0.46
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	12	0.46
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	12	0.46
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	14	0.46
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	14	0.46
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	14	0.46
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	6	0.46
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	6	0.46
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	6	0.46
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	12	0.46
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	3	0.46
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	5	0.46
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	15	0.46
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	20	0.46
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	16	0.46
(2,1782)	2:134:B:ILE:HG21	2:158:B:HIS:HB3	19	0.46
(2,1782)	2:134:B:ILE:HG22	2:158:B:HIS:HB3	19	0.46
(2,1782)	2:134:B:ILE:HG23	2:158:B:HIS:HB3	19	0.46
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	16	0.46
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	16	0.46
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	16	0.46
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	17	0.46
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	17	0.46
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	17	0.46
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	1	0.46
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	1	0.46
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	3	0.46
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	3	0.46
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	12	0.46
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	12	0.46
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	12	0.46
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	15	0.46
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	15	0.46
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	15	0.46
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	18	0.46
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	18	0.46
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	18	0.46
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	10	0.46
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	10	0.46
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	10	0.46
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	1	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	1	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	2	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	3	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	9	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	10	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	13	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	15	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	16	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	17	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	19	0.46
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	7	0.46
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	7	0.46
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	7	0.46
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	2	0.46
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	2	0.46
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	2	0.46
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	19	0.46
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	1	0.46
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	17	0.46
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	1	0.46
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	6	0.46
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	17	0.46
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	3	0.46
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	3	0.46
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	12	0.46
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	6	0.46
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	6	0.46
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	6	0.46
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	13	0.46
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	13	0.46
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	13	0.46
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	5	0.46
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	17	0.46
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	10	0.46
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	4	0.46
(2,219)	1:56:A:GLU:HB2	1:57:A:ALA:H	8	0.46
(2,197)	2:138:B:LYS:H	2:138:B:LYS:HB2	2	0.46
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	1	0.46
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	20	0.46
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	20	0.46
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	7	0.46
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	7	0.46
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	11	0.46
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	11	0.46
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	13	0.46
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	13	0.46
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	15	0.46
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	15	0.46
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	3	0.46
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	12	0.46
(1,2804)	2:138:B:LYS:H	2:138:B:LYS:HB2	2	0.46
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	16	0.46
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	15	0.46
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	15	0.46
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	18	0.46
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	18	0.46
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	5	0.46
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	17	0.46
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	1	0.46
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	6	0.46
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	16	0.46
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	16	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	1	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	2	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	3	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	9	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	10	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	13	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	15	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	16	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	17	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	19	0.46
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	20	0.46
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	1	0.46
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	17	0.46
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	12	0.46
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	17	0.46
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	19	0.46
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	3	0.46
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	5	0.46
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	15	0.46
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	20	0.46
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	10	0.46
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	1	0.46
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	4	0.46
(1,858)	1:56:A:GLU:HB2	1:57:A:ALA:H	8	0.46
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	5	0.46
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	20	0.46
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	17	0.46
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	17	0.46
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	17	0.46
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	19	0.46
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	10	0.46
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	10	0.46
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	10	0.46
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG3	12	0.45
(2,2886)	1:40:A:HIS:HB2	1:41:A:MET:HG2	12	0.45
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	15	0.45
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	3	0.45
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	4	0.45
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	5	0.45
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	7	0.45
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	5	0.45
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	7	0.45
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	7	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	2	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	2	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	2	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	3	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	3	0.45
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	3	0.45
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	7	0.45
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	7	0.45
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	7	0.45
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	9	0.45
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	12	0.45
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	3	0.45
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	3	0.45
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	4	0.45
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	7	0.45
(2,2076)	2:125:B:GLY:H	2:126:B:ILE:HG12	4	0.45
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	17	0.45
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	1	0.45
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	2	0.45
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	4	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	5	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	5	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	5	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	15	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	15	0.45
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	15	0.45
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	1	0.45
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	1	0.45
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	14	0.45
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	14	0.45
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	14	0.45
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	17	0.45
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	17	0.45
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	17	0.45
(2,1348)	2:158:B:HIS:HA	2:159:B:LEU:HB3	18	0.45
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	13	0.45
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	13	0.45
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	13	0.45
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	4	0.45
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	6	0.45
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	8	0.45
(2,1302)	2:123:B:LYS:HA	2:123:B:LYS:HG3	14	0.45
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	5	0.45
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	12	0.45
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	14	0.45
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	15	0.45
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	1	0.45
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	4	0.45
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	4	0.45
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	4	0.45
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	11	0.45
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	5	0.45
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	8	0.45
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	12	0.45
(1,3207)	2:158:B:HIS:HA	2:159:B:LEU:HB3	18	0.45
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	3	0.45
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	3	0.45
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	13	0.45
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	13	0.45
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	5	0.45
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	8	0.45
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	12	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	1	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	1	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	2	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	2	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	6	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	6	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	8	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	9	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	9	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	12	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	12	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	17	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	17	0.45
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	19	0.45
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	19	0.45
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	1	0.45
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	4	0.45
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	3	0.45
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	3	0.45
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	16	0.45
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	16	0.45
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	17	0.45
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	17	0.45
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	5	0.45
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	12	0.45
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	14	0.45
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	15	0.45
(1,2402)	2:125:B:GLY:H	2:126:B:ILE:HG12	4	0.45
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	4	0.45
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	6	0.45
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	8	0.45
(1,2353)	2:123:B:LYS:HA	2:123:B:LYS:HG3	14	0.45
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	9	0.45
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	12	0.45
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	3	0.45
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	3	0.45
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	4	0.45
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	7	0.45
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	3	0.45
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	4	0.45
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	5	0.45
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	2	0.45
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	11	0.45
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	17	0.45
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	4	0.45
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	4	0.45
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	4	0.45
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB1	8	0.45
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB2	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:56:A:GLU:HB2	1:57:A:ALA:HB3	8	0.45
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	7	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	3	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	3	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	3	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	11	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	11	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	11	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	18	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	18	0.45
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	18	0.45
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	5	0.45
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	1	0.45
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	12	0.45
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	12	0.45
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	6	0.45
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	6	0.45
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	6	0.45
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	15	0.45
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	15	0.45
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	15	0.45
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	15	0.45
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	10	0.44
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	10	0.44
(2,2687)	1:44:A:VAL:HB	1:45:A:LEU:HB3	15	0.44
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	3	0.44
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	16	0.44
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	11	0.44
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	11	0.44
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	11	0.44
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	16	0.44
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	16	0.44
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	16	0.44
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	18	0.44
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	18	0.44
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	18	0.44
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	12	0.44
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	12	0.44
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	12	0.44
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	3	0.44
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	3	0.44
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	2	0.44
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	4	0.44
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	16	0.44
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	2	0.44
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	10	0.44
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	6	0.44
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	19	0.44
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	8	0.44
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	18	0.44
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	1	0.44
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	1	0.44
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	1	0.44
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	11	0.44
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	11	0.44
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	11	0.44
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	17	0.44
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	17	0.44
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	17	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	7	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	7	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	7	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	10	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	10	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	10	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	20	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	20	0.44
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	20	0.44
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	2	0.44
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	2	0.44
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	2	0.44
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	6	0.44
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	6	0.44
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	6	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	13	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	13	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	13	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	20	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	20	0.44
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	20	0.44
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	10	0.44
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	2	0.44
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	14	0.44
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	15	0.44
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	2	0.44
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	16	0.44
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	16	0.44
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	3	0.44
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	3	0.44
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	3	0.44
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	5	0.44
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	5	0.44
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	5	0.44
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	18	0.44
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	1	0.44
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	17	0.44
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	20	0.44
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	19	0.44
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	20	0.44
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	14	0.44
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	5	0.44
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	17	0.44
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	20	0.44
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	5	0.44
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	17	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	9	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	9	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	11	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	11	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	18	0.44
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	18	0.44
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	14	0.44
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	3	0.44
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	3	0.44
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	4	0.44
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	4	0.44
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	14	0.44
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	14	0.44
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	18	0.44
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	18	0.44
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	20	0.44
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	20	0.44
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	2	0.44
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	8	0.44
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	18	0.44
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	10	0.44
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	10	0.44
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	14	0.44
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	14	0.44
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	10	0.44
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	9	0.44
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	9	0.44
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	3	0.44
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	3	0.44
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	1	0.44
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	17	0.44
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	20	0.44
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	20	0.44
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	2	0.44
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	4	0.44
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	16	0.44
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	2	0.44
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	9	0.44
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	14	0.44
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	15	0.44
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	2	0.44
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	10	0.44
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	19	0.44
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	20	0.44
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	20	0.44
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	6	0.44
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	19	0.44
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	18	0.44
(1,608)	1:44:A:VAL:HB	1:45:A:LEU:HB3	15	0.44
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	2	0.44
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	2	0.44
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	2	0.44
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	4	0.44
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	4	0.44
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	10	0.44
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	10	0.44
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	3	0.44
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	3	0.44
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD1	15	0.44
(1,257)	1:31:A:GLN:HG3	1:35:A:TYR:HD2	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	2	0.43
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	2	0.43
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	11	0.43
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	14	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	5	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	5	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	6	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	6	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	13	0.43
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	13	0.43
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	13	0.43
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	13	0.43
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	13	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	1	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	1	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	1	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	8	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	8	0.43
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	8	0.43
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	6	0.43
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	6	0.43
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	6	0.43
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	9	0.43
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	9	0.43
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	9	0.43
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	18	0.43
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	5	0.43
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	5	0.43
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	5	0.43
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	19	0.43
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	19	0.43
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	19	0.43
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	1	0.43
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	11	0.43
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	13	0.43
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	19	0.43
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	12	0.43
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	15	0.43
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	11	0.43
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	3	0.43
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	6	0.43
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	5	0.43
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	5	0.43
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	7	0.43
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	7	0.43
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	7	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	2	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	2	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	2	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	6	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	6	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	6	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	11	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	11	0.43
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	11	0.43
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	15	0.43
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	15	0.43
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	15	0.43
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	17	0.43
(2,1051)	2:135:B:PHE:HB3	2:157:B:LEU:HG	19	0.43
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	8	0.43
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	13	0.43
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	14	0.43
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	14	0.43
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	14	0.43
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	2	0.43
(2,853)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	14	0.43
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	19	0.43
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	19	0.43
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	19	0.43
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	5	0.43
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	5	0.43
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	5	0.43
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	12	0.43
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	14	0.43
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	18	0.43
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	14	0.43
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	3	0.43
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	16	0.43
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	16	0.43
(1,2910)	2:144:B:ARG:HB2	2:148:B:ASP:HB3	14	0.43
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	3	0.43
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	12	0.43
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	12	0.43
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	17	0.43
(1,2715)	2:135:B:PHE:HB3	2:157:B:LEU:HG	19	0.43
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	12	0.43
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	14	0.43
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	18	0.43
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	2	0.43
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	18	0.43
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	8	0.43
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	13	0.43
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	15	0.43
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	1	0.43
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	11	0.43
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	13	0.43
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	19	0.43
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	3	0.43
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	12	0.43
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	11	0.43
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	14	0.43
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG21	18	0.43
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG22	18	0.43
(1,723)	1:50:A:PRO:HD3	1:53:A:ILE:HG23	18	0.43
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	20	0.43
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	20	0.43
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	20	0.43
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	13	0.43
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	13	0.43
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	14	0.43
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE2	3	0.43
(1,258)	1:31:A:GLN:HG3	1:35:A:TYR:HE1	3	0.43
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	17	0.42
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	17	0.42
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	6	0.42
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	10	0.42
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	13	0.42
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	14	0.42
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	14	0.42
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	14	0.42
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	1	0.42
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	14	0.42
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	17	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	5	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	5	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	5	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	6	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	6	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	6	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	7	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	7	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	7	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	14	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	14	0.42
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	14	0.42
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	4	0.42
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	19	0.42
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	9	0.42
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	18	0.42
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	4	0.42
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	8	0.42
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	13	0.42
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	13	0.42
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	13	0.42
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	19	0.42
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	19	0.42
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	19	0.42
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	7	0.42
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	7	0.42
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	7	0.42
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	20	0.42
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	20	0.42
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	20	0.42
(2,1767)	2:91:B:MET:HE1	2:109:B:PRO:HD2	5	0.42
(2,1767)	2:91:B:MET:HE2	2:109:B:PRO:HD2	5	0.42
(2,1767)	2:91:B:MET:HE3	2:109:B:PRO:HD2	5	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	1	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	1	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	1	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	9	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	9	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	9	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	17	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	17	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	19	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	19	0.42
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	19	0.42
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	2	0.42
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	2	0.42
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	2	0.42
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	19	0.42
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	19	0.42
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	19	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	1	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	1	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	1	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	3	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	3	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	3	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	20	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	20	0.42
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	20	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	1	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	1	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	1	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	3	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	3	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	3	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	6	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	6	0.42
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	6	0.42
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	19	0.42
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	19	0.42
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	19	0.42
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	3	0.42
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	18	0.42
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	19	0.42
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	11	0.42
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	11	0.42
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	11	0.42
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	2	0.42
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	9	0.42
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	4	0.42
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	1	0.42
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	15	0.42
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	11	0.42
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	8	0.42
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	8	0.42
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	12	0.42
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	12	0.42
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	15	0.42
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	2	0.42
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	9	0.42
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	19	0.42
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	4	0.42
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	4	0.42
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	19	0.42
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	3	0.42
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	18	0.42
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	9	0.42
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	18	0.42
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	1	0.42
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	11	0.42
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	11	0.42
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	6	0.42
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	10	0.42
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	13	0.42
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	8	0.42
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	6	0.42
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	6	0.42
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	6	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	1	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	1	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	1	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	9	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	9	0.42
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	9	0.42
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	4	0.42
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	3	0.41
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	3	0.41
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	16	0.41
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	16	0.41
(2,2743)	1:26:A:LEU:HG	1:31:A:GLN:HG2	13	0.41
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	2	0.41
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	7	0.41
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	9	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	9	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	12	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	12	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	20	0.41
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	20	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	2	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	2	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	2	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD21	4	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD22	4	0.41
(2,2485)	2:151:B:ILE:HG13	2:157:B:LEU:HD23	4	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	9	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	9	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	9	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	13	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	13	0.41
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	13	0.41
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	1	0.41
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	1	0.41
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	14	0.41
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	8	0.41
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	12	0.41
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	14	0.41
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	14	0.41
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	8	0.41
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	13	0.41
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	16	0.41
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	20	0.41
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	14	0.41
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	9	0.41
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	9	0.41
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	9	0.41
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	15	0.41
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	15	0.41
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	15	0.41
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	14	0.41
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	14	0.41
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	14	0.41
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	7	0.41
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	7	0.41
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	8	0.41
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	8	0.41
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	8	0.41
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	16	0.41
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	16	0.41
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	16	0.41
(2,1584)	2:97:B:THR:HG21	2:124:B:GLU:HG2	5	0.41
(2,1584)	2:97:B:THR:HG22	2:124:B:GLU:HG2	5	0.41
(2,1584)	2:97:B:THR:HG23	2:124:B:GLU:HG2	5	0.41
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	5	0.41
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	5	0.41
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	5	0.41
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	4	0.41
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	4	0.41
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	4	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	1	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	4	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	5	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	12	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	14	0.41
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	18	0.41
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	10	0.41
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	11	0.41
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	20	0.41
(2,999)	2:91:B:MET:HE1	2:109:B:PRO:HB2	2	0.41
(2,999)	2:91:B:MET:HE2	2:109:B:PRO:HB2	2	0.41
(2,999)	2:91:B:MET:HE3	2:109:B:PRO:HB2	2	0.41
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	12	0.41
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	15	0.41
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	13	0.41
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	1	0.41
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	17	0.41
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	7	0.41
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	4	0.41
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	12	0.41
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	15	0.41
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	6	0.41
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	7	0.41
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	16	0.41
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	1	0.41
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	3	0.41
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	9	0.41
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	9	0.41
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	1	0.41
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	3	0.41
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB3	1	0.41
(1,3148)	2:153:B:LYS:HG3	2:154:B:GLU:HB2	1	0.41
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	5	0.41
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	5	0.41
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	15	0.41
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	1	0.41
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	1	0.41
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	5	0.41
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	5	0.41
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	12	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	1	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	1	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	6	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	6	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	15	0.41
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	15	0.41
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	7	0.41
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	14	0.41
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	8	0.41
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	12	0.41
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	14	0.41
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	10	0.41
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	11	0.41
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	20	0.41
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	14	0.41
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	1	0.41
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	17	0.41
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	6	0.41
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	7	0.41
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	16	0.41
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	8	0.41
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	13	0.41
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	16	0.41
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	1	0.41
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	9	0.41
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	2	0.41
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	7	0.41
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	14	0.41
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	4	0.41
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	12	0.41
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	15	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	1	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	4	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	5	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	12	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	14	0.41
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	18	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	5	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	5	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	5	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	10	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	10	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	10	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	19	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	19	0.41
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	19	0.41
(1,121)	1:26:A:LEU:HG	1:31:A:GLN:HG2	13	0.41
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	8	0.4
(2,3259)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	8	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	5	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	5	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	7	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	7	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	8	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	8	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	14	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	14	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	20	0.4
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	20	0.4
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	1	0.4
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	7	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	1	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	1	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	11	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	11	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	19	0.4
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	19	0.4
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	10	0.4
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	10	0.4
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	11	0.4
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	11	0.4
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	11	0.4
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	19	0.4
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	19	0.4
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	19	0.4
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	17	0.4
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	17	0.4
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	13	0.4
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	15	0.4
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	18	0.4
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	18	0.4
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	18	0.4
(2,2085)	2:94:B:PHE:HB2	2:104:B:THR:HA	8	0.4
(2,1938)	1:53:A:ILE:HA	1:56:A:GLU:HG3	8	0.4
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	11	0.4
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	19	0.4
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	4	0.4
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	4	0.4
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	4	0.4
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	9	0.4
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	9	0.4
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	9	0.4
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	12	0.4
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	12	0.4
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	12	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	4	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	4	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	4	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	18	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	18	0.4
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	18	0.4
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	1	0.4
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	1	0.4
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	1	0.4
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	4	0.4
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	4	0.4
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	4	0.4
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	13	0.4
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	13	0.4
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	4	0.4
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	4	0.4
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	4	0.4
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	15	0.4
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	10	0.4
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	10	0.4
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	10	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	2	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	8	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	10	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	15	0.4
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	17	0.4
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	16	0.4
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	16	0.4
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	16	0.4
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	16	0.4
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	18	0.4
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	15	0.4
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	4	0.4
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	13	0.4
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	4	0.4
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	16	0.4
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	5	0.4
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	3	0.4
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	3	0.4
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	7	0.4
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	11	0.4
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	14	0.4
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	16	0.4
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	19	0.4
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	4	0.4
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	13	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	8	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	8	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	19	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	19	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	20	0.4
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	20	0.4
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	16	0.4
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	16	0.4
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	18	0.4
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	13	0.4
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	5	0.4
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	15	0.4
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	16	0.4
(1,1531)	2:94:B:PHE:HB2	2:104:B:THR:HA	8	0.4
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	15	0.4
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	4	0.4
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	3	0.4
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	11	0.4
(1,777)	1:53:A:ILE:HA	1:56:A:GLU:HG3	8	0.4
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	2	0.4
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	8	0.4
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	10	0.4
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	15	0.4
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	17	0.4
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	19	0.4
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	19	0.4
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	19	0.4
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	7	0.4
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	7	0.4
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	7	0.4
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	1	0.4
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	1	0.4
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	8	0.4
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	8	0.4
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	18	0.4
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	18	0.4
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	1	0.4
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	7	0.4
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	3	0.4
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	7	0.4
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	11	0.4
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	14	0.4
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	15	0.4
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	1	0.39
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	1	0.39
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	18	0.39
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	18	0.39
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	20	0.39
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	2	0.39
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	7	0.39
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	8	0.39
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	16	0.39
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	16	0.39
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	12	0.39
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	12	0.39
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	12	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	13	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	13	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	13	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	14	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	14	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	14	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	18	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	18	0.39
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	18	0.39
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	13	0.39
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	13	0.39
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	20	0.39
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	18	0.39
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	1	0.39
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	1	0.39
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	1	0.39
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	6	0.39
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	11	0.39
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	18	0.39
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	1	0.39
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	13	0.39
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	2	0.39
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	2	0.39
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	3	0.39
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	3	0.39
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	3	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	3	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	3	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	3	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	11	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	11	0.39
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	11	0.39
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	3	0.39
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	3	0.39
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	3	0.39
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	6	0.39
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	6	0.39
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	5	0.39
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	5	0.39
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	5	0.39
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	2	0.39
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	15	0.39
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	15	0.39
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	15	0.39
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	16	0.39
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	12	0.39
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	12	0.39
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	12	0.39
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	13	0.39
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	13	0.39
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	13	0.39
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	4	0.39
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	20	0.39
(2,708)	2:103:B:ILE:HD11	2:123:B:LYS:HG2	6	0.39
(2,708)	2:103:B:ILE:HD12	2:123:B:LYS:HG2	6	0.39
(2,708)	2:103:B:ILE:HD13	2:123:B:LYS:HG2	6	0.39
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	1	0.39
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	16	0.39
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	5	0.39
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	16	0.39
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	16	0.39
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	1	0.39
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	2	0.39
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	14	0.39
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	2	0.39
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	10	0.39
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	18	0.39
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	13	0.39
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	15	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	2	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	7	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	9	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	10	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	11	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	12	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	14	0.39
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	20	0.39
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	6	0.39
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	14	0.39
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	19	0.39
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	15	0.39
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	13	0.39
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	15	0.39
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	2	0.39
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	1	0.39
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	16	0.39
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	20	0.39
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	20	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	5	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	5	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	12	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	12	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	14	0.39
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	14	0.39
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	5	0.39
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	5	0.39
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	12	0.39
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	12	0.39
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	5	0.39
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	16	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	2	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	7	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	9	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	10	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	11	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	12	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	14	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	18	0.39
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	20	0.39
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	18	0.39
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	1	0.39
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	2	0.39
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	14	0.39
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	4	0.39
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	1	0.39
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	2	0.39
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	10	0.39
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	6	0.39
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	11	0.39
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	18	0.39
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	6	0.39
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	14	0.39
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	19	0.39
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	20	0.39
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	16	0.39
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	16	0.39
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	7	0.39
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	7	0.39
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	7	0.39
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	13	0.39
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	15	0.39
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	2	0.39
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	7	0.39
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	1	0.38
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	17	0.38
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	19	0.38
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	6	0.38
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	20	0.38
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	16	0.38
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	16	0.38
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	16	0.38
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	15	0.38
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	15	0.38
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	15	0.38
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	1	0.38
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	3	0.38
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	4	0.38
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	6	0.38
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	1	0.38
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	1	0.38
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	9	0.38
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	11	0.38
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	13	0.38
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	2	0.38
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	2	0.38
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	2	0.38
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	12	0.38
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	12	0.38
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	15	0.38
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	19	0.38
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	6	0.38
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	7	0.38
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	12	0.38
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	15	0.38
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	11	0.38
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	11	0.38
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	11	0.38
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	10	0.38
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	10	0.38
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	10	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	8	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	8	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	8	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE1	13	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE2	13	0.38
(2,1758)	1:41:A:MET:HB2	1:41:A:MET:HE3	13	0.38
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	14	0.38
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	14	0.38
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	14	0.38
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	10	0.38
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	10	0.38
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	10	0.38
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	13	0.38
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	13	0.38
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	13	0.38
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	6	0.38
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	11	0.38
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	15	0.38
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	15	0.38
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	15	0.38
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	11	0.38
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	11	0.38
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	11	0.38
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	12	0.38
(2,905)	2:116:B:VAL:HA	2:119:B:LYS:HB3	7	0.38
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	3	0.38
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	2	0.38
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	9	0.38
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	11	0.38
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	9	0.38
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	18	0.38
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	12	0.38
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	1	0.38
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	8	0.38
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	13	0.38
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	15	0.38
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	17	0.38
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	13	0.38
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	17	0.38
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	18	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	8	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	9	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	16	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	17	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	19	0.38
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	20	0.38
(1,3055)	2:149:B:TYR:HD1	2:151:B:ILE:HG12	10	0.38
(1,3055)	2:149:B:TYR:HD2	2:151:B:ILE:HG12	10	0.38
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	12	0.38
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	15	0.38
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	1	0.38
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	3	0.38
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	4	0.38
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	6	0.38
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	10	0.38
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	10	0.38
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	17	0.38
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	17	0.38
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	2	0.38
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	9	0.38
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	11	0.38
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	12	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	1	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	8	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	13	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	15	0.38
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	17	0.38
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	1	0.38
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	1	0.38
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	9	0.38
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	13	0.38
(1,2137)	2:116:B:VAL:HA	2:119:B:LYS:HB3	7	0.38
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	18	0.38
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	12	0.38
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	3	0.38
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	12	0.38
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	15	0.38
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	19	0.38
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	13	0.38
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	17	0.38
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	18	0.38
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	1	0.38
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	17	0.38
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	19	0.38
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	9	0.38
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	6	0.38
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	7	0.38
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	6	0.38
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	11	0.38
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	14	0.38
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	14	0.38
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	6	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	8	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	9	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	16	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	17	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	19	0.38
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	20	0.38
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	11	0.37
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	11	0.37
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	15	0.37
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	7	0.37
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	7	0.37
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	7	0.37
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	5	0.37
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	5	0.37
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG21	17	0.37
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG22	17	0.37
(2,2436)	2:149:B:TYR:HB3	2:151:B:ILE:HG23	17	0.37
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	15	0.37
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	6	0.37
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	20	0.37
(2,2134)	2:107:B:VAL:HG21	2:109:B:PRO:HD2	14	0.37
(2,2134)	2:107:B:VAL:HG22	2:109:B:PRO:HD2	14	0.37
(2,2134)	2:107:B:VAL:HG23	2:109:B:PRO:HD2	14	0.37
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	4	0.37
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	20	0.37
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	5	0.37
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	18	0.37
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	18	0.37
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	18	0.37
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	3	0.37
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	3	0.37
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	3	0.37
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	8	0.37
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	8	0.37
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	8	0.37
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	13	0.37
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	13	0.37
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	13	0.37
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	13	0.37
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	3	0.37
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	7	0.37
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	9	0.37
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	13	0.37
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	20	0.37
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	10	0.37
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	18	0.37
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	2	0.37
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	2	0.37
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	2	0.37
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	11	0.37
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	3	0.37
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	6	0.37
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	11	0.37
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	15	0.37
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	20	0.37
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	3	0.37
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	18	0.37
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	5	0.37
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	13	0.37
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	19	0.37
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	5	0.37
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	7	0.37
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	9	0.37
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	5	0.37
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	8	0.37
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	9	0.37
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	8	0.37
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	3	0.37
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	4	0.37
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	6	0.37
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	16	0.37
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	14	0.37
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	16	0.37
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	20	0.37
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	1	0.37
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	2	0.37
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	4	0.37
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	10	0.37
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	13	0.37
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	8	0.37
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	18	0.37
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	3	0.37
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	6	0.37
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	11	0.37
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	15	0.37
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	20	0.37
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	15	0.37
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	10	0.37
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	7	0.37
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	7	0.37
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	11	0.37
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	11	0.37
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	3	0.37
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	18	0.37
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	5	0.37
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	7	0.37
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	9	0.37
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	3	0.37
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	4	0.37
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	6	0.37
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	16	0.37
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	10	0.37
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	20	0.37
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	11	0.37
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	5	0.37
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	8	0.37
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	9	0.37
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	4	0.37
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	15	0.37
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	5	0.37
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	13	0.37
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	19	0.37
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	20	0.37
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	14	0.37
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	16	0.37
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	20	0.37
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	20	0.37
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	3	0.37
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	7	0.37
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	9	0.37
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	13	0.37
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	20	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	1	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	1	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	1	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	9	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	9	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	9	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	13	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	13	0.37
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	13	0.37
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	3	0.37
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	3	0.37
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	5	0.37
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	5	0.37
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	15	0.37
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	15	0.37
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	17	0.37
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	17	0.37
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	1	0.37
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	2	0.37
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	4	0.37
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	13	0.37
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	13	0.37
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	16	0.36
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	16	0.36
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	16	0.36
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	16	0.36
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	16	0.36
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	16	0.36
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	9	0.36
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	9	0.36
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	14	0.36
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	18	0.36
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	13	0.36
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	4	0.36
(2,2557)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	17	0.36
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	2	0.36
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	2	0.36
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	18	0.36
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	18	0.36
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	2	0.36
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	3	0.36
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	4	0.36
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	10	0.36
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	10	0.36
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	10	0.36
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	15	0.36
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	15	0.36
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	15	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	4	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	4	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	4	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	16	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	16	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	16	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	17	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	17	0.36
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	17	0.36
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	9	0.36
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	2	0.36
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	1	0.36
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	7	0.36
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	17	0.36
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	1	0.36
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	7	0.36
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	13	0.36
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	15	0.36
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	15	0.36
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	15	0.36
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	16	0.36
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	16	0.36
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	16	0.36
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	2	0.36
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	2	0.36
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	2	0.36
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	19	0.36
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	19	0.36
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	19	0.36
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	11	0.36
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	11	0.36
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	11	0.36
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	16	0.36
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	16	0.36
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	16	0.36
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	9	0.36
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	9	0.36
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	9	0.36
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	12	0.36
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	12	0.36
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	12	0.36
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	3	0.36
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	3	0.36
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	3	0.36
(2,1268)	1:51:A:ASP:HA	1:54:A:LEU:HB3	19	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	3	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	3	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	3	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	8	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	8	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	8	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	18	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	18	0.36
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	18	0.36
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	15	0.36
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	17	0.36
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	17	0.36
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	17	0.36
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	17	0.36
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	12	0.36
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	6	0.36
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	14	0.36
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	15	0.36
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	1	0.36
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	2	0.36
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	17	0.36
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	12	0.36
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	13	0.36
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	6	0.36
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	4	0.36
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	12	0.36
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	16	0.36
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	5	0.36
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	6	0.36
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	12	0.36
(2,133)	1:31:A:GLN:H	1:31:A:GLN:HB3	18	0.36
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	6	0.36
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	17	0.36
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	1	0.36
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	7	0.36
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	13	0.36
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	2	0.36
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	3	0.36
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	4	0.36
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	9	0.36
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	6	0.36
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	14	0.36
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	15	0.36
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	12	0.36
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	2	0.36
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	12	0.36
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	13	0.36
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	1	0.36
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	7	0.36
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	4	0.36
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	15	0.36
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	14	0.36
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	18	0.36
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	12	0.36
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	17	0.36
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	16	0.36
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	1	0.36
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	2	0.36
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	17	0.36
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	5	0.36
(1,740)	1:51:A:ASP:HA	1:54:A:LEU:HB3	19	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	5	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	5	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	5	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	15	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	15	0.36
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	15	0.36
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	13	0.36
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	4	0.36
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	5	0.36
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	6	0.36
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	12	0.36
(1,261)	1:31:A:GLN:H	1:31:A:GLN:HB3	18	0.36
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	5	0.36
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	5	0.36
(1,80)	1:24:A:HIS:HD2	1:60:A:LYS:HG2	17	0.36
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	4	0.35
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	4	0.35
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	19	0.35
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	19	0.35
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	5	0.35
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	5	0.35
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	5	0.35
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	11	0.35
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	17	0.35
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	3	0.35
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	8	0.35
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	19	0.35
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	10	0.35
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	13	0.35
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	6	0.35
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	6	0.35
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	8	0.35
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	8	0.35
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	8	0.35
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	3	0.35
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	3	0.35
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	3	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	5	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	5	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	5	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	19	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	19	0.35
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	19	0.35
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	14	0.35
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	14	0.35
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	14	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	1	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	1	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	1	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	3	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	3	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	3	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	8	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	8	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	8	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	9	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	9	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	9	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	15	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	15	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	15	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	18	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	18	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	18	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	19	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	19	0.35
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	19	0.35
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	7	0.35
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	7	0.35
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	7	0.35
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	8	0.35
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	8	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	14	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	14	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	14	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	20	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	20	0.35
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	20	0.35
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	5	0.35
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	18	0.35
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	20	0.35
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	10	0.35
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	14	0.35
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	16	0.35
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	7	0.35
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	5	0.35
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	11	0.35
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	12	0.35
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	9	0.35
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	9	0.35
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	7	0.35
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	13	0.35
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	8	0.35
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	10	0.35
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	7	0.35
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	8	0.35
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	4	0.35
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	11	0.35
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	13	0.35
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	16	0.35
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	1	0.35
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	20	0.35
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	5	0.35
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	6	0.35
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	17	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	1	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	5	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	6	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	7	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	11	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	15	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	17	0.35
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	20	0.35
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	1	0.35
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	20	0.35
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	10	0.35
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	14	0.35
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	16	0.35
(1,2781)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	19	0.35
(1,2781)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	19	0.35
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	7	0.35
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	13	0.35
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	11	0.35
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	5	0.35
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	18	0.35
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	8	0.35
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	10	0.35
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	4	0.35
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	11	0.35
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	13	0.35
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	17	0.35
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	5	0.35
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	11	0.35
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	12	0.35
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	9	0.35
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	3	0.35
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	5	0.35
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	20	0.35
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	16	0.35
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	6	0.35
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	17	0.35
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	10	0.35
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	13	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	1	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	5	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	6	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	7	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	11	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	15	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	17	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	19	0.35
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	20	0.35
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	7	0.35
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	8	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	2	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	2	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	2	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	11	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	11	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	11	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	17	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	17	0.35
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	17	0.35
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	14	0.35
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	14	0.35
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	14	0.35
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	2	0.35
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	2	0.35
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	4	0.35
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	4	0.35
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	19	0.35
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	19	0.35
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	7	0.35
(2,3220)	2:121:B:GLN:HE21	2:127:B:PRO:HB2	5	0.34
(2,3220)	2:121:B:GLN:HE22	2:127:B:PRO:HB2	5	0.34
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	10	0.34
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	10	0.34
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	15	0.34
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	15	0.34
(2,3132)	2:111:B:ASP:HB3	2:146:B:LEU:HB3	19	0.34
(2,3132)	2:111:B:ASP:HB2	2:146:B:LEU:HB3	19	0.34
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	5	0.34
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	5	0.34
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	5	0.34
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	12	0.34
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	1	0.34
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	13	0.34
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	6	0.34
(2,2403)	2:148:B:ASP:HB2	2:149:B:TYR:HE1	10	0.34
(2,2403)	2:148:B:ASP:HB2	2:149:B:TYR:HE2	10	0.34
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	4	0.34
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	20	0.34
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	8	0.34
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	8	0.34
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	1	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	1	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	1	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	10	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	10	0.34
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	10	0.34
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	5	0.34
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	20	0.34
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	10	0.34
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	3	0.34
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	3	0.34
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	3	0.34
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	13	0.34
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	13	0.34
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	13	0.34
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	8	0.34
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	8	0.34
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	8	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	2	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	2	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	2	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	4	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	4	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	4	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	7	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	7	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	7	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	10	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	10	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	10	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	11	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	11	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	11	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	12	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	12	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	12	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	13	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	13	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	13	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	14	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	14	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	17	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	17	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	17	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	20	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	20	0.34
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	20	0.34
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	11	0.34
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	11	0.34
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	11	0.34
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	12	0.34
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	12	0.34
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	12	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	2	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	2	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	2	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	4	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	4	0.34
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	4	0.34
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	6	0.34
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	5	0.34
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	3	0.34
(2,998)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	16	0.34
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	2	0.34
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	9	0.34
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	11	0.34
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	19	0.34
(2,552)	2:134:B:ILE:H	2:158:B:HIS:HB3	8	0.34
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	6	0.34
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	12	0.34
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	8	0.34
(2,283)	2:93:B:ILE:HG12	2:94:B:PHE:H	14	0.34
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	2	0.34
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	18	0.34
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	11	0.34
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	13	0.34
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	10	0.34
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	14	0.34
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	15	0.34
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	10	0.34
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	15	0.34
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	3	0.34
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	12	0.34
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	18	0.34
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	2	0.34
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	18	0.34
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	11	0.34
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	13	0.34
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	4	0.34
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	20	0.34
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	1	0.34
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	13	0.34
(1,2666)	2:134:B:ILE:H	2:158:B:HIS:HB3	8	0.34
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	9	0.34
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	9	0.34
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	17	0.34
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	17	0.34
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	3	0.34
(1,2451)	2:127:B:PRO:HB2	2:128:B:PRO:HD3	16	0.34
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	8	0.34
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	5	0.34
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	12	0.34
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	5	0.34
(1,1460)	2:93:B:ILE:HG12	2:94:B:PHE:H	14	0.34
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	20	0.34
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	6	0.34
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	2	0.34
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	9	0.34
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	11	0.34
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	19	0.34
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	6	0.34
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	10	0.34
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	14	0.34
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	15	0.34
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	3	0.34
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	8	0.34
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	12	0.34
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	18	0.34
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	6	0.34
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	10	0.34
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	15	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	8	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	8	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	10	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	10	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	10	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	14	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	14	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	14	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	20	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	20	0.34
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	20	0.34
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	9	0.34
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	9	0.34
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	10	0.34
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	10	0.34
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	11	0.34
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	11	0.34
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	12	0.34
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	3	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	3	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	4	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	4	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	8	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	8	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	11	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	11	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	16	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	16	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	17	0.33
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	17	0.33
(2,2650)	1:32:A:ALA:HB1	1:35:A:TYR:HB3	1	0.33
(2,2650)	1:32:A:ALA:HB2	1:35:A:TYR:HB3	1	0.33
(2,2650)	1:32:A:ALA:HB3	1:35:A:TYR:HB3	1	0.33
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	3	0.33
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	8	0.33
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	5	0.33
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	5	0.33
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	5	0.33
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	2	0.33
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	2	0.33
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	2	0.33
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	7	0.33
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	3	0.33
(2,2189)	2:117:B:LYS:HB2	2:120:B:ILE:HB	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	9	0.33
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	1	0.33
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	15	0.33
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	15	0.33
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	15	0.33
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	18	0.33
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	18	0.33
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	18	0.33
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	20	0.33
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	20	0.33
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	20	0.33
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	13	0.33
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	13	0.33
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	13	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	16	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	16	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	16	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	18	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	18	0.33
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	18	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	3	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	3	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	3	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	9	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	9	0.33
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	9	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	1	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	1	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	1	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	10	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	10	0.33
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	10	0.33
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	12	0.33
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	14	0.33
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	16	0.33
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	5	0.33
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	12	0.33
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	3	0.33
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	15	0.33
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	9	0.33
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	9	0.33
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	10	0.33
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	13	0.33
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	16	0.33
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	19	0.33
(2,471)	1:59:A:LEU:HB3	1:61:A:HIS:H	3	0.33
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	15	0.33
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	16	0.33
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	10	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	1	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	7	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	8	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	9	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	12	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	14	0.33
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	17	0.33
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	15	0.33
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	2	0.33
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	16	0.33
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	11	0.33
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	12	0.33
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	18	0.33
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	4	0.33
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	9	0.33
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	10	0.33
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	13	0.33
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	14	0.33
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	10	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	1	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	7	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	8	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	9	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	12	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	14	0.33
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	17	0.33
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	5	0.33
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	12	0.33
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	11	0.33
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	11	0.33
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	11	0.33
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	8	0.33
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	7	0.33
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	7	0.33
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG3	18	0.33
(1,2450)	2:127:B:PRO:HB3	2:130:B:GLN:HG2	18	0.33
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	15	0.33
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	16	0.33
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	3	0.33
(1,2178)	2:117:B:LYS:HB2	2:120:B:ILE:HB	7	0.33
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	15	0.33
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	2	0.33
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	10	0.33
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	13	0.33
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	16	0.33
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	19	0.33
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	9	0.33
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	2	0.33
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	15	0.33
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	12	0.33
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	14	0.33
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	16	0.33
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	16	0.33
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	4	0.33
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	9	0.33
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	10	0.33
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	13	0.33
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	14	0.33
(1,962)	1:59:A:LEU:HB3	1:61:A:HIS:H	3	0.33
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	11	0.33
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	12	0.33
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	18	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	3	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	3	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	3	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	12	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	12	0.33
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	12	0.33
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	3	0.33
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	3	0.33
(2,3220)	2:121:B:GLN:HE21	2:127:B:PRO:HB2	20	0.32
(2,3220)	2:121:B:GLN:HE22	2:127:B:PRO:HB2	20	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	9	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	9	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	12	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	13	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	13	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE3	20	0.32
(2,3193)	2:119:B:LYS:HB2	2:119:B:LYS:HE2	20	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	8	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	8	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	8	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	8	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	8	0.32
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	8	0.32
(2,2880)	1:39:A:ASP:HB3	1:40:A:HIS:HB3	13	0.32
(2,2880)	1:39:A:ASP:HB2	1:40:A:HIS:HB3	13	0.32
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	9	0.32
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	12	0.32
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	3	0.32
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	11	0.32
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	19	0.32
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	3	0.32
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	3	0.32
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	6	0.32
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	11	0.32
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	15	0.32
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	20	0.32
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	18	0.32
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	18	0.32
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	18	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	5	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	5	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	5	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	11	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	11	0.32
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	11	0.32
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	18	0.32
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	5	0.32
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	5	0.32
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	5	0.32
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	17	0.32
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	17	0.32
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	17	0.32
(2,1922)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	15	0.32
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	15	0.32
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	14	0.32
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	8	0.32
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	8	0.32
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	8	0.32
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	16	0.32
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	16	0.32
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	16	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	6	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	6	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	6	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	20	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	20	0.32
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	20	0.32
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	6	0.32
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	6	0.32
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	6	0.32
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	1	0.32
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	1	0.32
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	1	0.32
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	3	0.32
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	3	0.32
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	3	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	4	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	4	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	4	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	17	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	17	0.32
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	17	0.32
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	12	0.32
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	12	0.32
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	12	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	6	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	6	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	6	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	7	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	7	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	7	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	9	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	9	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	9	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	13	0.32
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	13	0.32
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	18	0.32
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	8	0.32
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	9	0.32
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	9	0.32
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	9	0.32
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	6	0.32
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	7	0.32
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	8	0.32
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	19	0.32
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	3	0.32
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	6	0.32
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	14	0.32
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	18	0.32
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	3	0.32
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	4	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	2	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	5	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	6	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	15	0.32
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	16	0.32
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	16	0.32
(2,225)	2:91:B:MET:H	2:91:B:MET:HB2	17	0.32
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	5	0.32
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	20	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	6	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	8	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	13	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	17	0.32
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	19	0.32
(2,148)	1:60:A:LYS:H	1:60:A:LYS:HB3	2	0.32
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	3	0.32
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	4	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	2	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	5	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	6	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	15	0.32
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	16	0.32
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	1	0.32
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	1	0.32
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	3	0.32
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	3	0.32
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	3	0.32
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	15	0.32
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	15	0.32
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	15	0.32
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	6	0.32
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	11	0.32
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	15	0.32
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	20	0.32
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	18	0.32
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	14	0.32
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	14	0.32
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	19	0.32
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	3	0.32
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	6	0.32
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	14	0.32
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	18	0.32
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	6	0.32
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	7	0.32
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	8	0.32
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	16	0.32
(1,1356)	2:91:B:MET:H	2:91:B:MET:HB2	17	0.32
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	8	0.32
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	18	0.32
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	9	0.32
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	12	0.32
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	5	0.32
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	20	0.32
(1,999)	1:60:A:LYS:H	1:60:A:LYS:HB3	2	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	6	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	8	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	13	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	17	0.32
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	19	0.32
(1,868)	1:56:A:GLU:HG2	1:60:A:LYS:HG2	15	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	4	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	4	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	4	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	16	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	16	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD12	18	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD13	18	0.32
(1,722)	1:50:A:PRO:HD3	1:53:A:ILE:HD11	18	0.32
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	3	0.32
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	11	0.32
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	19	0.32
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	2	0.32
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	15	0.32
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	7	0.32
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	7	0.32
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	7	0.31
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	15	0.31
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	7	0.31
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	7	0.31
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	3	0.31
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	3	0.31
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	3	0.31
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	11	0.31
(2,2326)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	11	0.31
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	17	0.31
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	1	0.31
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	1	0.31
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	1	0.31
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	6	0.31
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	6	0.31
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	6	0.31
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	7	0.31
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	7	0.31
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	7	0.31
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	15	0.31
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	15	0.31
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	15	0.31
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	16	0.31
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	16	0.31
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	16	0.31
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	15	0.31
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	18	0.31
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	9	0.31
(2,1828)	2:138:B:LYS:HA	2:139:B:GLN:HB3	11	0.31
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	2	0.31
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	2	0.31
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	10	0.31
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	10	0.31
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	10	0.31
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	14	0.31
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	14	0.31
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	14	0.31
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	14	0.31
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	14	0.31
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	14	0.31
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	12	0.31
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	12	0.31
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	12	0.31
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	17	0.31
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	17	0.31
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	17	0.31
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	19	0.31
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	19	0.31
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	19	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	1	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	1	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	1	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	2	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	2	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	2	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	3	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	3	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	3	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	5	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	5	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	5	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	6	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	6	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	6	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	10	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	10	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	10	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	12	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	12	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	12	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	16	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	16	0.31
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	6	0.31
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	6	0.31
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	6	0.31
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	14	0.31
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	14	0.31
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	14	0.31
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	19	0.31
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	19	0.31
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	19	0.31
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	13	0.31
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	18	0.31
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	2	0.31
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	7	0.31
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	7	0.31
(2,850)	1:61:A:HIS:HB2	1:64:A:ASP:HB3	11	0.31
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	18	0.31
(2,538)	2:123:B:LYS:HB3	2:125:B:GLY:H	19	0.31
(2,436)	2:144:B:ARG:HB2	2:145:B:THR:H	19	0.31
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	2	0.31
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	9	0.31
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	7	0.31
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	19	0.31
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	3	0.31
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	18	0.31
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	8	0.31
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	10	0.31
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	3	0.31
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	18	0.31
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	19	0.31
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	7	0.31
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	19	0.31
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	4	0.31
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	4	0.31
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	4	0.31
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	3	0.31
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	18	0.31
(1,2908)	2:144:B:ARG:HB2	2:145:B:THR:H	19	0.31
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	9	0.31
(1,2784)	2:138:B:LYS:HA	2:139:B:GLN:HB3	11	0.31
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	2	0.31
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	2	0.31
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	8	0.31
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	8	0.31
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	8	0.31
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	7	0.31
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	20	0.31
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	20	0.31
(1,2359)	2:123:B:LYS:HB3	2:125:B:GLY:H	19	0.31
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	2	0.31
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	2	0.31
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	18	0.31
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	17	0.31
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	8	0.31
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	10	0.31
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	7	0.31
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	13	0.31
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	18	0.31
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	9	0.31
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	9	0.31
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	9	0.31
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	9	0.31
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	3	0.31
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	18	0.31
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	19	0.31
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	18	0.31
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	20	0.31
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	20	0.31
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	15	0.31
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	7	0.31
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	14	0.31
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	14	0.31
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	7	0.3
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	7	0.3
(2,2552)	1:28:A:GLU:HA	1:31:A:GLN:HE22	13	0.3
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	9	0.3
(2,2456)	2:93:B:ILE:HG21	2:153:B:LYS:HB3	10	0.3
(2,2456)	2:93:B:ILE:HG22	2:153:B:LYS:HB3	10	0.3
(2,2456)	2:93:B:ILE:HG23	2:153:B:LYS:HB3	10	0.3
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	2	0.3
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	2	0.3
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	2	0.3
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	9	0.3
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	9	0.3
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	8	0.3
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	14	0.3
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	15	0.3
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	16	0.3
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	17	0.3
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	19	0.3
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	20	0.3
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	4	0.3
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	4	0.3
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	4	0.3
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	15	0.3
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	15	0.3
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	15	0.3
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	6	0.3
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	6	0.3
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	7	0.3
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	12	0.3
(2,1816)	2:120:B:ILE:HG21	2:123:B:LYS:HB3	18	0.3
(2,1816)	2:120:B:ILE:HG22	2:123:B:LYS:HB3	18	0.3
(2,1816)	2:120:B:ILE:HG23	2:123:B:LYS:HB3	18	0.3
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	1	0.3
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	1	0.3
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	1	0.3
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	6	0.3
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	6	0.3
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	6	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	17	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	17	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	17	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	18	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	18	0.3
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	18	0.3
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG21	5	0.3
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG22	5	0.3
(2,1542)	2:94:B:PHE:HB2	2:102:B:THR:HG23	5	0.3
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	20	0.3
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	20	0.3
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	20	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	7	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	7	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	8	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	8	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	8	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	9	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	9	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	9	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	11	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	11	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	11	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	14	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	14	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	14	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	15	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	15	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	15	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	18	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	18	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	18	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	19	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	19	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	19	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD21	20	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD22	20	0.3
(2,1390)	2:161:B:LEU:HB2	2:161:B:LEU:HD23	20	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	5	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	5	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	5	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD11	11	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD12	11	0.3
(2,1194)	2:91:B:MET:HG3	2:146:B:LEU:HD13	11	0.3
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	17	0.3
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	17	0.3
(2,1114)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	17	0.3
(2,1031)	2:102:B:THR:HA	2:103:B:ILE:HG12	19	0.3
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	1	0.3
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	6	0.3
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	1	0.3
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	8	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	4	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	4	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	4	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	9	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	9	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	11	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	11	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	11	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	12	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	12	0.3
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	12	0.3
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	4	0.3
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	5	0.3
(2,676)	2:93:B:ILE:H	2:105:B:LEU:HB3	14	0.3
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	5	0.3
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	10	0.3
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	12	0.3
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	17	0.3
(2,245)	2:157:B:LEU:HB2	2:158:B:HIS:H	11	0.3
(2,229)	2:121:B:GLN:HB2	2:122:B:ASP:H	19	0.3
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	1	0.3
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	4	0.3
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	8	0.3
(1,3199)	2:157:B:LEU:HB2	2:158:B:HIS:H	11	0.3
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	17	0.3
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	9	0.3
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	8	0.3
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	14	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	1	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	1	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	10	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	10	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	15	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	15	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	19	0.3
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	19	0.3
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	5	0.3
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	10	0.3
(1,2312)	2:121:B:GLN:HB2	2:122:B:ASP:H	19	0.3
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	15	0.3
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	16	0.3
(1,1747)	2:102:B:THR:HA	2:103:B:ILE:HG12	19	0.3
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	17	0.3
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	19	0.3
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	4	0.3
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	5	0.3
(1,1473)	2:93:B:ILE:H	2:105:B:LEU:HB3	14	0.3
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	1	0.3
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	6	0.3
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	12	0.3
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	1	0.3
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	4	0.3
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	8	0.3
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	4	0.3
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	4	0.3
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	4	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	1	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	1	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	4	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	4	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	8	0.3
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	8	0.3
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	1	0.3
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	8	0.3
(1,178)	1:28:A:GLU:HA	1:31:A:GLN:HE22	13	0.3
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	9	0.29
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	8	0.29
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	14	0.29
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	14	0.29
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	2	0.29
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	10	0.29
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	20	0.29
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	20	0.29
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	20	0.29
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	5	0.29
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	10	0.29
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	12	0.29
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	17	0.29
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	6	0.29
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	13	0.29
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	1	0.29
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	12	0.29
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	18	0.29
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	2	0.29
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	9	0.29
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	9	0.29
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	12	0.29
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	12	0.29
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	12	0.29
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	18	0.29
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	18	0.29
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	18	0.29
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	4	0.29
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	19	0.29
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	19	0.29
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	19	0.29
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	10	0.29
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	10	0.29
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	10	0.29
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	5	0.29
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	5	0.29
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	5	0.29
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	12	0.29
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	12	0.29
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	12	0.29
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	4	0.29
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	20	0.29
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	20	0.29
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	20	0.29
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	7	0.29
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	7	0.29
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	9	0.29
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	10	0.29
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	18	0.29
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	11	0.29
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	11	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	1	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	1	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	1	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	2	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	2	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	2	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	3	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	3	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	3	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	5	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	5	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	6	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	6	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	6	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	7	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	7	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	7	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	14	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	14	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	14	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	15	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	15	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	15	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	16	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	16	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	16	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	17	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	17	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	17	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	18	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	18	0.29
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	18	0.29
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	12	0.29
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	8	0.29
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	13	0.29
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	10	0.29
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	6	0.29
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	9	0.29
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	10	0.29
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	12	0.29
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	2	0.29
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	7	0.29
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	6	0.29
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	9	0.29
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	10	0.29
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	10	0.29
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	5	0.29
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	10	0.29
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	12	0.29
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	17	0.29
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	2	0.29
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	6	0.29
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	6	0.29
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB3	13	0.29
(1,2472)	2:128:B:PRO:HB3	2:129:B:ASP:HB2	13	0.29
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	13	0.29
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	10	0.29
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	6	0.29
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	13	0.29
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	12	0.29
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	1	0.29
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	12	0.29
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	18	0.29
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	7	0.29
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	9	0.29
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	10	0.29
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	18	0.29
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	2	0.29
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	12	0.29
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	7	0.29
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	2	0.29
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	7	0.29
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	8	0.29
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	4	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	6	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	6	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	6	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	15	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	15	0.29
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	15	0.29
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	9	0.29
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	2	0.29
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	8	0.29
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	18	0.29
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	18	0.29
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	4	0.29
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	6	0.28
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	6	0.28
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	6	0.28
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	6	0.28
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	6	0.28
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	6	0.28
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	15	0.28
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	11	0.28
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	19	0.28
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	11	0.28
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	2	0.28
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	14	0.28
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	10	0.28
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	2	0.28
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	2	0.28
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	2	0.28
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	3	0.28
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	3	0.28
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	3	0.28
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	10	0.28
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	10	0.28
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	10	0.28
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	11	0.28
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	11	0.28
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	11	0.28
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	14	0.28
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	14	0.28
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	14	0.28
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	8	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	1	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	1	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	1	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	2	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	2	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	2	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	3	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	3	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	3	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	4	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	4	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	4	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	5	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	5	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	5	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	6	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	6	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	6	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	7	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	7	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	8	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	8	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	8	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	9	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	9	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	9	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	10	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	10	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	10	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	11	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	11	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	11	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	12	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	12	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	12	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	14	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	14	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	14	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	15	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	15	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	15	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	16	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	16	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	16	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	18	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	18	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	18	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	19	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	19	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	19	0.28
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	20	0.28
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	20	0.28
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	20	0.28
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	4	0.28
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	4	0.28
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	4	0.28
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	3	0.28
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	3	0.28
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	3	0.28
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	3	0.28
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	7	0.28
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	18	0.28
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	18	0.28
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	18	0.28
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	14	0.28
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	17	0.28
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	17	0.28
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	17	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	8	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	8	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	8	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	10	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	10	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	10	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	19	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	19	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	19	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	20	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	20	0.28
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	20	0.28
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	19	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	2	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	3	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	4	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	5	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	6	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	7	0.28
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	9	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	8	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	9	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	11	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	12	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	14	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	15	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	16	0.28
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	18	0.28
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	7	0.28
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	1	0.28
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	9	0.28
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	15	0.28
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	15	0.28
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	6	0.28
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	6	0.28
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	6	0.28
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	13	0.28
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	13	0.28
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	13	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	8	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	9	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	11	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	12	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	14	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	15	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	16	0.28
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	18	0.28
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	19	0.28
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	2	0.28
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	14	0.28
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	10	0.28
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	7	0.28
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	11	0.28
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	14	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	2	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	3	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	4	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	5	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	6	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	7	0.28
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	9	0.28
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	1	0.28
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	9	0.28
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	13	0.28
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	13	0.28
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	13	0.28
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	12	0.28
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	15	0.28
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	11	0.28
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	19	0.28
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	11	0.28
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	11	0.28
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	1	0.28
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	7	0.28
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	1	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	2	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	4	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	5	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	9	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	12	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	14	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	17	0.27
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	20	0.27
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	1	0.27
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	1	0.27
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	13	0.27
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD1	4	0.27
(2,2520)	1:34:A:LEU:HB2	1:35:A:TYR:HD2	4	0.27
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	5	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	1	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	1	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	1	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	18	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	18	0.27
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	18	0.27
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	6	0.27
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	13	0.27
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	19	0.27
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	14	0.27
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	3	0.27
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	11	0.27
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	8	0.27
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	8	0.27
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	8	0.27
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	19	0.27
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	19	0.27
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	19	0.27
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	13	0.27
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	13	0.27
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	13	0.27
(2,1775)	2:103:B:ILE:HG21	2:103:B:ILE:HG13	17	0.27
(2,1775)	2:103:B:ILE:HG22	2:103:B:ILE:HG13	17	0.27
(2,1775)	2:103:B:ILE:HG23	2:103:B:ILE:HG13	17	0.27
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	2	0.27
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	2	0.27
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	5	0.27
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	5	0.27
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	5	0.27
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	15	0.27
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	15	0.27
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	15	0.27
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	17	0.27
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	17	0.27
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	17	0.27
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	18	0.27
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	18	0.27
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	18	0.27
(2,1771)	2:103:B:ILE:HG21	2:124:B:GLU:HG3	4	0.27
(2,1771)	2:103:B:ILE:HG22	2:124:B:GLU:HG3	4	0.27
(2,1771)	2:103:B:ILE:HG23	2:124:B:GLU:HG3	4	0.27
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	15	0.27
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	15	0.27
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	15	0.27
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	15	0.27
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	15	0.27
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	15	0.27
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	17	0.27
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	17	0.27
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	17	0.27
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	5	0.27
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	16	0.27
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	16	0.27
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	16	0.27
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	14	0.27
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	14	0.27
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	14	0.27
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	15	0.27
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	20	0.27
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	5	0.27
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	1	0.27
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	10	0.27
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	10	0.27
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	10	0.27
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	16	0.27
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	16	0.27
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD11	13	0.27
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD12	13	0.27
(2,687)	2:117:B:LYS:HB2	2:120:B:ILE:HD13	13	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	1	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	12	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	13	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	17	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	19	0.27
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	20	0.27
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	2	0.27
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	3	0.27
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	4	0.27
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	6	0.27
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	7	0.27
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	16	0.27
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	15	0.27
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	4	0.27
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	5	0.27
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	7	0.27
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	20	0.27
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	20	0.27
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	20	0.27
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	5	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	2	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	3	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	4	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	6	0.27
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	7	0.27
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	6	0.27
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	13	0.27
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	19	0.27
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	1	0.27
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	3	0.27
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	11	0.27
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	14	0.27
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	15	0.27
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	5	0.27
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	15	0.27
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	20	0.27
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	16	0.27
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	16	0.27
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	1	0.27
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	12	0.27
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	13	0.27
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	17	0.27
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	19	0.27
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	20	0.27
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	4	0.27
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	5	0.27
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	7	0.27
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	16	0.27
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	7	0.27
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	7	0.27
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	13	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	1	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	2	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	4	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	5	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	9	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	12	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	14	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	17	0.27
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	20	0.27
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	9	0.27
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	9	0.27
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	12	0.27
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	12	0.27
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	5	0.27
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	5	0.26
(2,2733)	1:67:A:LYS:HD3	1:68:A:ALA:H	11	0.26
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	1	0.26
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	5	0.26
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	16	0.26
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	17	0.26
(2,2634)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	4	0.26
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	11	0.26
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	18	0.26
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	19	0.26
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	8	0.26
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	16	0.26
(2,2295)	2:134:B:ILE:HG12	2:135:B:PHE:H	19	0.26
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	14	0.26
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	14	0.26
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	2	0.26
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	11	0.26
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	15	0.26
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	4	0.26
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	9	0.26
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	18	0.26
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	18	0.26
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	6	0.26
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	6	0.26
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	6	0.26
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	7	0.26
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	1	0.26
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	1	0.26
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	1	0.26
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	12	0.26
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	12	0.26
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	12	0.26
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	20	0.26
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	20	0.26
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	20	0.26
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	13	0.26
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	13	0.26
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	13	0.26
(2,1465)	1:73:A:LEU:HD21	2:139:B:GLN:HG2	10	0.26
(2,1465)	1:73:A:LEU:HD22	2:139:B:GLN:HG2	10	0.26
(2,1465)	1:73:A:LEU:HD23	2:139:B:GLN:HG2	10	0.26
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	14	0.26
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	20	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	12	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	12	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	12	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	14	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	14	0.26
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	14	0.26
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	10	0.26
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	12	0.26
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	9	0.26
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	9	0.26
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	12	0.26
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	13	0.26
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	9	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	10	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	11	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	14	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	15	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	16	0.26
(2,416)	1:61:A:HIS:H	1:61:A:HIS:HB3	18	0.26
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	1	0.26
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	5	0.26
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	6	0.26
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	11	0.26
(2,263)	2:151:B:ILE:H	2:151:B:ILE:HG12	13	0.26
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	4	0.26
(2,224)	2:91:B:MET:H	2:91:B:MET:HG3	16	0.26
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	2	0.26
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	11	0.26
(1,3091)	2:151:B:ILE:H	2:151:B:ILE:HG12	13	0.26
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	19	0.26
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	19	0.26
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	19	0.26
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	4	0.26
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	20	0.26
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	20	0.26
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	20	0.26
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	16	0.26
(1,2645)	2:134:B:ILE:HG12	2:135:B:PHE:H	19	0.26
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB3	4	0.26
(1,2448)	2:127:B:PRO:HB3	2:129:B:ASP:HB2	4	0.26
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	5	0.26
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	2	0.26
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	11	0.26
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	15	0.26
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	4	0.26
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	9	0.26
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	18	0.26
(1,1357)	2:91:B:MET:H	2:91:B:MET:HG3	16	0.26
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	9	0.26
(1,1164)	1:67:A:LYS:HD3	1:68:A:ALA:H	11	0.26
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	10	0.26
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	10	0.26
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	10	0.26
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	11	0.26
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	14	0.26
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	15	0.26
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	16	0.26
(1,1043)	1:61:A:HIS:H	1:61:A:HIS:HB3	18	0.26
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	9	0.26
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	2	0.26
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	10	0.26
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	12	0.26
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	7	0.26
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	18	0.26
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	1	0.26
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	5	0.26
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	6	0.26
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	1	0.26
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	5	0.26
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	16	0.26
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	17	0.26
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	8	0.26
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	11	0.26
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	18	0.26
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	19	0.26
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	19	0.26
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	19	0.26
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	20	0.26
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	20	0.26
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	14	0.26
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	20	0.26
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	9	0.26
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	12	0.26
(2,3220)	2:121:B:GLN:HE21	2:127:B:PRO:HB2	10	0.25
(2,3220)	2:121:B:GLN:HE22	2:127:B:PRO:HB2	10	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	20	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	20	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	20	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	20	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	20	0.25
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	20	0.25
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	2	0.25
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	18	0.25
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	16	0.25
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	20	0.25
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	5	0.25
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	12	0.25
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	12	0.25
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	13	0.25
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	13	0.25
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	13	0.25
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	8	0.25
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	20	0.25
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	20	0.25
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	20	0.25
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	3	0.25
(2,1875)	1:33:A:ARG:HB2	1:63:A:PHE:HA	8	0.25
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	9	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	2	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	2	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	2	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	3	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	3	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	3	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	4	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	4	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	4	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	5	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	5	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	5	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	6	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	6	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	6	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	7	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	7	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	7	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	8	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	8	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	8	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	9	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	9	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	9	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	10	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	10	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	10	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	11	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	11	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	12	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	12	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	12	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	13	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	13	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	13	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	14	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	14	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	14	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	16	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	16	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	16	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	17	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	17	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	17	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	18	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	18	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	18	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	20	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	20	0.25
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	20	0.25
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	3	0.25
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	3	0.25
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	3	0.25
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	10	0.25
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	10	0.25
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	10	0.25
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	11	0.25
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	11	0.25
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	11	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	4	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	4	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	4	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	9	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	9	0.25
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	9	0.25
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	16	0.25
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	16	0.25
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	16	0.25
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	17	0.25
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	17	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	5	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	5	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	5	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	19	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	19	0.25
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	19	0.25
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	9	0.25
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	17	0.25
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	18	0.25
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	14	0.25
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	19	0.25
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	1	0.25
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	1	0.25
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	1	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	6	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	6	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	6	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	7	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	7	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	7	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	17	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	17	0.25
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	17	0.25
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	7	0.25
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	7	0.25
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	20	0.25
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	15	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	2	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	3	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	8	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	9	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	12	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	13	0.25
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	17	0.25
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	20	0.25
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	11	0.25
(2,173)	1:66:A:GLN:HB3	1:67:A:LYS:H	13	0.25
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	8	0.25
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	2	0.25
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	2	0.25
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	3	0.25
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	3	0.25
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	3	0.25
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	5	0.25
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	5	0.25
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	5	0.25
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	10	0.25
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	10	0.25
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	10	0.25
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	18	0.25
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	18	0.25
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	18	0.25
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	20	0.25
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	8	0.25
(1,2779)	2:137:B:GLY:HA2	2:138:B:LYS:HG3	19	0.25
(1,2779)	2:137:B:GLY:HA3	2:138:B:LYS:HG3	19	0.25
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	19	0.25
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	20	0.25
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	7	0.25
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	20	0.25
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	19	0.25
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	15	0.25
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	5	0.25
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	12	0.25
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	12	0.25
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	7	0.25
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	11	0.25
(1,1133)	1:66:A:GLN:HB3	1:67:A:LYS:H	13	0.25
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	9	0.25
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	14	0.25
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	3	0.25
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	8	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	2	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	3	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	8	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	9	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	12	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	13	0.25
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	17	0.25
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	12	0.25
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	2	0.25
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	18	0.25
(1,288)	1:33:A:ARG:HB2	1:63:A:PHE:HA	8	0.25
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	16	0.25
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	2	0.25
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	2	0.25
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	16	0.25
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	16	0.25
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	9	0.25
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	17	0.25
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	18	0.25
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	10	0.24
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	15	0.24
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	18	0.24
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	16	0.24
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	18	0.24
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	3	0.24
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	3	0.24
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	3	0.24
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	10	0.24
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	1	0.24
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	17	0.24
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	4	0.24
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	18	0.24
(2,1990)	2:95:B:VAL:HG11	2:96:B:LYS:HB2	20	0.24
(2,1990)	2:95:B:VAL:HG12	2:96:B:LYS:HB2	20	0.24
(2,1990)	2:95:B:VAL:HG13	2:96:B:LYS:HB2	20	0.24
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	4	0.24
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	10	0.24
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	18	0.24
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	17	0.24
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	17	0.24
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	17	0.24
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	14	0.24
(2,1873)	1:61:A:HIS:HB2	1:64:A:ASP:HB2	17	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	15	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	15	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	15	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG21	19	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG22	19	0.24
(2,1796)	2:146:B:LEU:HB2	2:151:B:ILE:HG23	19	0.24
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	16	0.24
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	16	0.24
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	14	0.24
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	14	0.24
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	14	0.24
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	1	0.24
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	1	0.24
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	1	0.24
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	19	0.24
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	19	0.24
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	19	0.24
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	20	0.24
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	20	0.24
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	20	0.24
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	12	0.24
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	16	0.24
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	19	0.24
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	6	0.24
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	6	0.24
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	6	0.24
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	16	0.24
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	18	0.24
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	20	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	3	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	4	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	5	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	6	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	7	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	10	0.24
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	15	0.24
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	10	0.24
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	4	0.24
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	18	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	1	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	1	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	1	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	18	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	18	0.24
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	18	0.24
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	10	0.24
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	3	0.24
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	17	0.24
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	4	0.24
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	10	0.24
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	15	0.24
(2,149)	1:59:A:LEU:HB3	1:60:A:LYS:H	3	0.24
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	10	0.24
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	18	0.24
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	8	0.24
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	8	0.24
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	8	0.24
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	4	0.24
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	4	0.24
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	16	0.24
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	18	0.24
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	10	0.24
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	1	0.24
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	17	0.24
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	10	0.24
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	3	0.24
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	6	0.24
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	17	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	3	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	4	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	5	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	6	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	7	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	10	0.24
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	15	0.24
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	4	0.24
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	18	0.24
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	10	0.24
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	18	0.24
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	10	0.24
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	15	0.24
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	15	0.24
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	15	0.24
(1,961)	1:59:A:LEU:HB3	1:60:A:LYS:H	3	0.24
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	16	0.24
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	18	0.24
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	20	0.24
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	14	0.24
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	10	0.24
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	18	0.24
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	4	0.24
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	10	0.24
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	15	0.24
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	6	0.24
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	6	0.24
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	10	0.24
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	18	0.24
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	15	0.24
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	17	0.24
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	17	0.24
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	12	0.24
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	16	0.24
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	19	0.24
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	4	0.24
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	18	0.24
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	16	0.23
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	3	0.23
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	9	0.23
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	4	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	7	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	7	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	7	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	8	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	8	0.23
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	8	0.23
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	8	0.23
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD11	2	0.23
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD12	2	0.23
(2,2128)	2:109:B:PRO:HB2	2:146:B:LEU:HD13	2	0.23
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	8	0.23
(2,2038)	2:92:B:GLN:HA	2:93:B:ILE:HG13	2	0.23
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	5	0.23
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	8	0.23
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	13	0.23
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	14	0.23
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	10	0.23
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	1	0.23
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	3	0.23
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	12	0.23
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	5	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	5	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	5	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	7	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	7	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	7	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	11	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	11	0.23
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	11	0.23
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	13	0.23
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	13	0.23
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	13	0.23
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	14	0.23
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	14	0.23
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	14	0.23
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	5	0.23
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	5	0.23
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	5	0.23
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	12	0.23
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	12	0.23
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	12	0.23
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	18	0.23
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	18	0.23
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	18	0.23
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	15	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	8	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	9	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	11	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	13	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	16	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	17	0.23
(2,1025)	2:109:B:PRO:HB2	2:147:B:SER:HB3	20	0.23
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	20	0.23
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	8	0.23
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	20	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	3	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	3	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	3	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	5	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	5	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	5	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	10	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	10	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	15	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	15	0.23
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	15	0.23
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	9	0.23
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	14	0.23
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	18	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	5	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	8	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	9	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	11	0.23
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	16	0.23
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	19	0.23
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	11	0.23
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	14	0.23
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	20	0.23
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	2	0.23
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	14	0.23
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	3	0.23
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	20	0.23
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	2	0.23
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	19	0.23
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	1	0.23
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	1	0.23
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	1	0.23
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	6	0.23
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	6	0.23
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	6	0.23
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	3	0.23
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	20	0.23
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	2	0.23
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	8	0.23
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	5	0.23
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	8	0.23
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	9	0.23
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	11	0.23
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	16	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	8	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	9	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	11	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	16	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	17	0.23
(1,1940)	2:109:B:PRO:HB2	2:147:B:SER:HB3	20	0.23
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	8	0.23
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	2	0.23
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	14	0.23
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	20	0.23
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	5	0.23
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	8	0.23
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	13	0.23
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	14	0.23
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	9	0.23
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	14	0.23
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	18	0.23
(1,1389)	2:92:B:GLN:HA	2:93:B:ILE:HG13	2	0.23
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	4	0.23
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	17	0.23
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	17	0.23
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	20	0.23
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	18	0.23
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	18	0.23
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	18	0.23
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	15	0.23
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	8	0.23
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	1	0.23
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	3	0.23
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	12	0.23
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	14	0.23
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	10	0.23
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	11	0.23
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	14	0.23
(1,416)	1:37:A:CYS:HB3	1:40:A:HIS:HB2	16	0.23
(1,416)	1:37:A:CYS:HB2	1:40:A:HIS:HB2	16	0.23
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	16	0.23
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	20	0.23
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	10	0.22
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	10	0.22
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	10	0.22
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	10	0.22
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	10	0.22
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	10	0.22
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	20	0.22
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	9	0.22
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	19	0.22
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	2	0.22
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	2	0.22
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	8	0.22
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	8	0.22
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	12	0.22
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	14	0.22
(2,2481)	2:135:B:PHE:HB3	2:157:B:LEU:HA	17	0.22
(2,2233)	2:121:B:GLN:HB3	2:127:B:PRO:HA	19	0.22
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	20	0.22
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	10	0.22
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	8	0.22
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	8	0.22
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	8	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	5	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	6	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	11	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	15	0.22
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	17	0.22
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	10	0.22
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	11	0.22
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	6	0.22
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	6	0.22
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	6	0.22
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	7	0.22
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	7	0.22
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	7	0.22
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	9	0.22
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	9	0.22
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	9	0.22
(2,1485)	2:95:B:VAL:HG11	2:159:B:LEU:HB3	6	0.22
(2,1485)	2:95:B:VAL:HG12	2:159:B:LEU:HB3	6	0.22
(2,1485)	2:95:B:VAL:HG13	2:159:B:LEU:HB3	6	0.22
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	13	0.22
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	13	0.22
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	13	0.22
(2,1385)	1:34:A:LEU:HD21	1:38:A:LEU:HB3	4	0.22
(2,1385)	1:34:A:LEU:HD22	1:38:A:LEU:HB3	4	0.22
(2,1385)	1:34:A:LEU:HD23	1:38:A:LEU:HB3	4	0.22
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	9	0.22
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	9	0.22
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	14	0.22
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	14	0.22
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	14	0.22
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD21	10	0.22
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD22	10	0.22
(2,1335)	2:135:B:PHE:HB3	2:157:B:LEU:HD23	10	0.22
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	10	0.22
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	11	0.22
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	13	0.22
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	1	0.22
(2,933)	2:91:B:MET:HB3	2:92:B:GLN:H	4	0.22
(2,861)	2:135:B:PHE:HD1	2:149:B:TYR:HB2	8	0.22
(2,861)	2:135:B:PHE:HD2	2:149:B:TYR:HB2	8	0.22
(2,840)	2:118:B:ALA:HB1	2:122:B:ASP:HB3	20	0.22
(2,840)	2:118:B:ALA:HB2	2:122:B:ASP:HB3	20	0.22
(2,840)	2:118:B:ALA:HB3	2:122:B:ASP:HB3	20	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	13	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	13	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	13	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	14	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	14	0.22
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	14	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	1	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	1	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	1	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	2	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	2	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	2	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	3	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	3	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	3	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	4	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	4	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	4	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	6	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	6	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	6	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	7	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	7	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	8	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	8	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	8	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	9	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	9	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	9	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	11	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	11	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	11	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	16	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	16	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	16	0.22
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	20	0.22
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	20	0.22
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	20	0.22
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	12	0.22
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	19	0.22
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	1	0.22
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	10	0.22
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	13	0.22
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	4	0.22
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	20	0.22
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	5	0.22
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	7	0.22
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	18	0.22
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	19	0.22
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	9	0.22
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	6	0.22
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	19	0.22
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	9	0.22
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	9	0.22
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	9	0.22
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	6	0.22
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	9	0.22
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	9	0.22
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	9	0.22
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	2	0.22
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	2	0.22
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	8	0.22
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	8	0.22
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	12	0.22
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2713)	2:135:B:PHE:HB3	2:157:B:LEU:HA	17	0.22
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	5	0.22
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	7	0.22
(1,2310)	2:121:B:GLN:HB3	2:127:B:PRO:HA	19	0.22
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	1	0.22
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	10	0.22
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	13	0.22
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	4	0.22
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	20	0.22
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	20	0.22
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	9	0.22
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	10	0.22
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	12	0.22
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	19	0.22
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	19	0.22
(1,1325)	2:91:B:MET:HB3	2:92:B:GLN:H	4	0.22
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	1	0.22
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	7	0.22
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	7	0.22
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	7	0.22
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	13	0.22
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	10	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	5	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	6	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	11	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	15	0.22
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	17	0.22
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	20	0.22
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	20	0.22
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	20	0.22
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	18	0.22
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	19	0.22
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	7	0.22
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	20	0.22
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	9	0.22
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	10	0.22
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	11	0.22
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	13	0.21
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	13	0.21
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	13	0.21
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG21	13	0.21
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG22	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG23	13	0.21
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	8	0.21
(2,2667)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	14	0.21
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	6	0.21
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	17	0.21
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	11	0.21
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	11	0.21
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	18	0.21
(2,2397)	2:145:B:THR:HB	2:147:B:SER:HB2	2	0.21
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	17	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	4	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	4	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	4	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	11	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	11	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	11	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	18	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	18	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	18	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	19	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	19	0.21
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	19	0.21
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	2	0.21
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	1	0.21
(2,1845)	1:61:A:HIS:HB3	1:68:A:ALA:HA	16	0.21
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	4	0.21
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	4	0.21
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	4	0.21
(2,1773)	2:103:B:ILE:HG21	2:123:B:LYS:HG2	8	0.21
(2,1773)	2:103:B:ILE:HG22	2:123:B:LYS:HG2	8	0.21
(2,1773)	2:103:B:ILE:HG23	2:123:B:LYS:HG2	8	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	9	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	9	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	9	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	19	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	19	0.21
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	19	0.21
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	2	0.21
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	2	0.21
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	2	0.21
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	11	0.21
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	11	0.21
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	7	0.21
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	17	0.21
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	17	0.21
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	17	0.21
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	11	0.21
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	14	0.21
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	19	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	4	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	4	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	4	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	11	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	11	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	11	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	19	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	19	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	19	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	20	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	20	0.21
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	20	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	5	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	5	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	5	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	10	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	10	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	10	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	12	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	12	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	12	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	13	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	13	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	13	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	14	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	14	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	14	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	15	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	15	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	15	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	17	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	17	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	17	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	18	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	18	0.21
(2,747)	2:134:B:ILE:HD11	2:139:B:GLN:HG2	19	0.21
(2,747)	2:134:B:ILE:HD12	2:139:B:GLN:HG2	19	0.21
(2,747)	2:134:B:ILE:HD13	2:139:B:GLN:HG2	19	0.21
(2,723)	2:93:B:ILE:HD11	2:105:B:LEU:HB3	10	0.21
(2,723)	2:93:B:ILE:HD12	2:105:B:LEU:HB3	10	0.21
(2,723)	2:93:B:ILE:HD13	2:105:B:LEU:HB3	10	0.21
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	1	0.21
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	2	0.21
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	16	0.21
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	17	0.21
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	4	0.21
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	12	0.21
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	14	0.21
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	18	0.21
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	9	0.21
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	17	0.21
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	20	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	1	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	2	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	8	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	9	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	10	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	11	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	12	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	13	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	14	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	15	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	16	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	17	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	18	0.21
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	20	0.21
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	15	0.21
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	7	0.21
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	1	0.21
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	4	0.21
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	16	0.21
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	7	0.21
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	15	0.21
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	1	0.21
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	15	0.21
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	11	0.21
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	11	0.21
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	11	0.21
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	13	0.21
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	13	0.21
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	13	0.21
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	14	0.21
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	14	0.21
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	14	0.21
(1,2945)	2:145:B:THR:HB	2:147:B:SER:HB2	2	0.21
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	7	0.21
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	15	0.21
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	7	0.21
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	7	0.21
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	7	0.21
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	11	0.21
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	11	0.21
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	17	0.21
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	20	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	1	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	2	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	8	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	9	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	10	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	11	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	12	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	13	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	14	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	15	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	16	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	17	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	18	0.21
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	20	0.21
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	4	0.21
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	12	0.21
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	14	0.21
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	18	0.21
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	9	0.21
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	17	0.21
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	1	0.21
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	16	0.21
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	7	0.21
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	1	0.21
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	2	0.21
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	16	0.21
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	17	0.21
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	1	0.21
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	20	0.21
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	18	0.21
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD21	1	0.21
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD22	1	0.21
(1,1139)	1:66:A:GLN:HB2	2:98:B:LEU:HD23	1	0.21
(1,1018)	1:61:A:HIS:HB3	1:68:A:ALA:HA	16	0.21
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	11	0.21
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	1	0.21
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	2	0.21
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	7	0.21
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	8	0.21
(1,404)	1:37:A:CYS:HB2	1:58:A:ILE:HG13	14	0.21
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	6	0.21
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	17	0.21
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	14	0.21
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	19	0.21
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	14	0.21
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	14	0.21
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	3	0.2
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	4	0.2
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	6	0.2
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	20	0.2
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	3	0.2
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	3	0.2
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	13	0.2
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	13	0.2
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	4	0.2
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	16	0.2
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	9	0.2
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	1	0.2
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	1	0.2
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	1	0.2
(2,1998)	2:96:B:LYS:HB3	2:102:B:THR:HA	7	0.2
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	7	0.2
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	5	0.2
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	11	0.2
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	4	0.2
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	4	0.2
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	4	0.2
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	10	0.2
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	10	0.2
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	10	0.2
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	15	0.2
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	15	0.2
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	15	0.2
(2,1321)	1:30:A:ASP:HA	1:33:A:ARG:HB3	6	0.2
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	8	0.2
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	17	0.2
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	19	0.2
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	20	0.2
(2,858)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	19	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	8	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	8	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	8	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	9	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	9	0.2
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	9	0.2
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	3	0.2
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	15	0.2
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	11	0.2
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	2	0.2
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	11	0.2
(2,368)	2:123:B:LYS:H	2:123:B:LYS:HG3	1	0.2
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	3	0.2
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	4	0.2
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	6	0.2
(2,366)	2:123:B:LYS:H	2:123:B:LYS:HB3	19	0.2
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	4	0.2
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	5	0.2
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	18	0.2
(2,346)	1:40:A:HIS:HB2	1:41:A:MET:H	20	0.2
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	19	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	3	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	7	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	11	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	15	0.2
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	17	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	1	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	2	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	4	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	5	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	9	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	10	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	11	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	14	0.2
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	17	0.2
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	6	0.2
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	8	0.2
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	17	0.2
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	4	0.2
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	5	0.2
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	18	0.2
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	7	0.2
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	7	0.2
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	7	0.2
(1,2911)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	19	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	1	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	2	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	4	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	5	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	9	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	10	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	11	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	14	0.2
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	17	0.2
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	3	0.2
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	3	0.2
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	13	0.2
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	13	0.2
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	19	0.2
(1,2370)	2:123:B:LYS:H	2:123:B:LYS:HG3	1	0.2
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	3	0.2
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	4	0.2
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	6	0.2
(1,2367)	2:123:B:LYS:H	2:123:B:LYS:HB3	19	0.2
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	4	0.2
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	11	0.2
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	16	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	3	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	7	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	11	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	13	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	15	0.2
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	17	0.2
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	9	0.2
(1,1638)	2:96:B:LYS:HB3	2:102:B:THR:HA	7	0.2
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	3	0.2
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	15	0.2
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	6	0.2
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	8	0.2
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	17	0.2
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	2	0.2
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	2	0.2
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	15	0.2
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	15	0.2
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	11	0.2
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	3	0.2
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	4	0.2
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	8	0.2
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	17	0.2
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	19	0.2
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	20	0.2
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	5	0.2
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	11	0.2
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	7	0.2
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	20	0.2
(1,480)	1:40:A:HIS:HB2	1:41:A:MET:H	20	0.2
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	20	0.2
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	6	0.2
(1,223)	1:30:A:ASP:HA	1:33:A:ARG:HB3	6	0.2
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	9	0.2
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	9	0.2
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	5	0.19
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	5	0.19
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	5	0.19
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	5	0.19
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	5	0.19
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	8	0.19
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	10	0.19
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	4	0.19
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	4	0.19
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	18	0.19
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	18	0.19
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	13	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	1	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	1	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	7	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	7	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	15	0.19
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	15	0.19
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	11	0.19
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	13	0.19
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD21	6	0.19
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD22	6	0.19
(2,2358)	2:139:B:GLN:HG3	2:140:B:LEU:HD23	6	0.19
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	5	0.19
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	7	0.19
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	9	0.19
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	11	0.19
(2,2073)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	5	0.19
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	1	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	6	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	6	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	6	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	13	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	13	0.19
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	13	0.19
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	16	0.19
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	17	0.19
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB1	16	0.19
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB2	16	0.19
(2,1699)	1:61:A:HIS:HB3	1:68:A:ALA:HB3	16	0.19
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	8	0.19
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	8	0.19
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	8	0.19
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	1	0.19
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	1	0.19
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	1	0.19
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	4	0.19
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	4	0.19
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	3	0.19
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	6	0.19
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	6	0.19
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	6	0.19
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	13	0.19
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	13	0.19
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	13	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	5	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	5	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	5	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	19	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	19	0.19
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	19	0.19
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	6	0.19
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	17	0.19
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	8	0.19
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	11	0.19
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	16	0.19
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	9	0.19
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	2	0.19
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	2	0.19
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	2	0.19
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	8	0.19
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	11	0.19
(2,443)	2:109:B:PRO:HD3	2:110:B:SER:H	15	0.19
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	5	0.19
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	13	0.19
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	3	0.19
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	14	0.19
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	4	0.19
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	10	0.19
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	19	0.19
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	20	0.19
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	16	0.19
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	18	0.19
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	6	0.19
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	9	0.19
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	11	0.19
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	15	0.19
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	3	0.19
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	10	0.19
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	11	0.19
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	3	0.19
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	14	0.19
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	2	0.19
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	11	0.19
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	13	0.19
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	16	0.19
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	18	0.19
(1,2776)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	4	0.19
(1,2776)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	4	0.19
(1,2776)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	4	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	1	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	1	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	7	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	7	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	15	0.19
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	15	0.19
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	9	0.19
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	6	0.19
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	9	0.19
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	11	0.19
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	15	0.19
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	10	0.19
(1,2383)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	5	0.19
(1,1943)	2:109:B:PRO:HD3	2:110:B:SER:H	15	0.19
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	5	0.19
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	13	0.19
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	5	0.19
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	7	0.19
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	9	0.19
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	11	0.19
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	19	0.19
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	20	0.19
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	1	0.19
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	8	0.19
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	11	0.19
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	3	0.19
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	10	0.19
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	11	0.19
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	11	0.19
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	14	0.19
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	14	0.19
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	19	0.19
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	19	0.19
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	4	0.19
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	17	0.19
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	8	0.19
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	6	0.19
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	8	0.19
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	17	0.19
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	3	0.19
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	16	0.19
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	10	0.19
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	11	0.19
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	16	0.19
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	8	0.18
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	8	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	4	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	4	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	6	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	6	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	9	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	9	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	20	0.18
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	20	0.18
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	17	0.18
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	6	0.18
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	16	0.18
(2,2195)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	19	0.18
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	19	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	2	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	2	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	2	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	9	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	9	0.18
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	9	0.18
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	9	0.18
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	19	0.18
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	19	0.18
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	19	0.18
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	20	0.18
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	9	0.18
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	17	0.18
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	19	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	1	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	2	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	6	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	7	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	13	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	15	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	16	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	17	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	19	0.18
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	20	0.18
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	8	0.18
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	8	0.18
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	8	0.18
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	16	0.18
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	16	0.18
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	16	0.18
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	8	0.18
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD11	10	0.18
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD12	10	0.18
(2,1286)	2:135:B:PHE:HB3	2:157:B:LEU:HD13	10	0.18
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	8	0.18
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	8	0.18
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	8	0.18
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	16	0.18
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	16	0.18
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	16	0.18
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	3	0.18
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	10	0.18
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	17	0.18
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	16	0.18
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	5	0.18
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	3	0.18
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	12	0.18
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	18	0.18
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	17	0.18
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	19	0.18
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	2	0.18
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	6	0.18
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	20	0.18
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	20	0.18
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	20	0.18
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	4	0.18
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	8	0.18
(2,436)	2:144:B:ARG:HB2	2:145:B:THR:H	20	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	1	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	2	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	6	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	7	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	8	0.18
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	20	0.18
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	19	0.18
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	6	0.18
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	13	0.18
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	7	0.18
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	19	0.18
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	1	0.18
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	18	0.18
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	20	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	3	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	4	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	5	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	7	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	9	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	11	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	13	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	14	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	16	0.18
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	20	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	7	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	9	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	12	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	14	0.18
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	15	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	1	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	2	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	6	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	7	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	8	0.18
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	3	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	4	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	5	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	7	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	9	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	11	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	13	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	14	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	16	0.18
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	20	0.18
(1,2908)	2:144:B:ARG:HB2	2:145:B:THR:H	20	0.18
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	17	0.18
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	19	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	4	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	4	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	6	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	6	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	9	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	9	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	20	0.18
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	20	0.18
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	2	0.18
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	4	0.18
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	6	0.18
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	1	0.18
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	18	0.18
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	20	0.18
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	6	0.18
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	13	0.18
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	6	0.18
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	16	0.18
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	7	0.18
(1,2245)	2:119:B:LYS:HB2	2:122:B:ASP:HB2	19	0.18
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	19	0.18
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	19	0.18
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	17	0.18
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	19	0.18
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	8	0.18
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	4	0.18
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	7	0.18
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	9	0.18
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	14	0.18
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	15	0.18
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	16	0.18
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	8	0.18
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	3	0.18
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	10	0.18
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	17	0.18
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	20	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	1	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	2	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	6	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	7	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	13	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	15	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	16	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	17	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	19	0.18
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	20	0.18
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	3	0.18
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	12	0.18
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	18	0.18
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	9	0.18
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	19	0.18
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	3	0.18
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	3	0.18
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	9	0.18
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	9	0.18
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	5	0.18
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	16	0.18
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	16	0.18
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	9	0.17
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	9	0.17
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	9	0.17
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	9	0.17
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	9	0.17
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	9	0.17
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	12	0.17
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	11	0.17
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	11	0.17
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	19	0.17
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	19	0.17
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	4	0.17
(2,2544)	1:33:A:ARG:HB3	1:59:A:LEU:HD21	8	0.17
(2,2544)	1:33:A:ARG:HB3	1:59:A:LEU:HD22	8	0.17
(2,2544)	1:33:A:ARG:HB3	1:59:A:LEU:HD23	8	0.17
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	7	0.17
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	15	0.17
(2,2378)	2:145:B:THR:HG21	2:148:B:ASP:HB3	10	0.17
(2,2378)	2:145:B:THR:HG22	2:148:B:ASP:HB3	10	0.17
(2,2378)	2:145:B:THR:HG23	2:148:B:ASP:HB3	10	0.17
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	4	0.17
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	4	0.17
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	4	0.17
(2,2359)	2:140:B:LEU:HD21	2:144:B:ARG:HB3	20	0.17
(2,2359)	2:140:B:LEU:HD22	2:144:B:ARG:HB3	20	0.17
(2,2359)	2:140:B:LEU:HD23	2:144:B:ARG:HB3	20	0.17
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	13	0.17
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	18	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	7	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	7	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	7	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	12	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	12	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	12	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	14	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	14	0.17
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	14	0.17
(2,1942)	1:53:A:ILE:HG13	1:54:A:LEU:H	13	0.17
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	2	0.17
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	12	0.17
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	18	0.17
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	12	0.17
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	3	0.17
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	3	0.17
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	3	0.17
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	4	0.17
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	4	0.17
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	4	0.17
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	4	0.17
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	5	0.17
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	9	0.17
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	10	0.17
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	2:105:B:LEU:HD21	2:119:B:LYS:HB2	3	0.17
(2,1372)	2:105:B:LEU:HD22	2:119:B:LYS:HB2	3	0.17
(2,1372)	2:105:B:LEU:HD23	2:119:B:LYS:HB2	3	0.17
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	9	0.17
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	9	0.17
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	14	0.17
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	14	0.17
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	14	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	1	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	2	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	4	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	5	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	7	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	9	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	15	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	16	0.17
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	18	0.17
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	11	0.17
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	13	0.17
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	2	0.17
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	17	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	1	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	2	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	4	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	9	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	10	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	16	0.17
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	19	0.17
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	1	0.17
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	6	0.17
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	14	0.17
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	14	0.17
(2,763)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	14	0.17
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD11	12	0.17
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD12	12	0.17
(2,752)	2:133:B:LEU:HB2	2:134:B:ILE:HD13	12	0.17
(2,723)	2:93:B:ILE:HD11	2:105:B:LEU:HB3	20	0.17
(2,723)	2:93:B:ILE:HD12	2:105:B:LEU:HB3	20	0.17
(2,723)	2:93:B:ILE:HD13	2:105:B:LEU:HB3	20	0.17
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	6	0.17
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	13	0.17
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	6	0.17
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	19	0.17
(2,436)	2:144:B:ARG:HB2	2:145:B:THR:H	4	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	9	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	10	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	12	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	13	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	16	0.17
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	17	0.17
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	15	0.17
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	6	0.17
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	8	0.17
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	13	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	5	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	7	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	12	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	14	0.17
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	16	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	1	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	6	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	8	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	12	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	15	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	17	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	18	0.17
(2,28)	2:148:B:ASP:H	2:148:B:ASP:HB3	19	0.17
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	2	0.17
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	2	0.17
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	2	0.17
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	11	0.17
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	13	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	9	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	10	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	12	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	13	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	16	0.17
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	17	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	1	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	6	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	8	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	12	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	17	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	18	0.17
(1,3029)	2:148:B:ASP:H	2:148:B:ASP:HB3	19	0.17
(1,2908)	2:144:B:ARG:HB2	2:145:B:THR:H	4	0.17
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	7	0.17
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	15	0.17
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	13	0.17
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	5	0.17
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	7	0.17
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	12	0.17
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	14	0.17
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	16	0.17
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	13	0.17
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	12	0.17
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	19	0.17
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	18	0.17
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	6	0.17
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	8	0.17
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	9	0.17
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	6	0.17
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	13	0.17
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	2	0.17
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	15	0.17
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	6	0.17
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	4	0.17
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	9	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	1	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	2	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	4	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	5	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	7	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	9	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	15	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	16	0.17
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	18	0.17
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	2	0.17
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	12	0.17
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	18	0.17
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	4	0.17
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	5	0.17
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	9	0.17
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	11	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	1	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	2	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	4	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	9	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	10	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	16	0.17
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	19	0.17
(1,782)	1:53:A:ILE:HG13	1:54:A:LEU:H	13	0.17
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	19	0.17
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	19	0.17
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	2	0.17
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	17	0.17
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	7	0.17
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	7	0.17
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	20	0.16
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	2	0.16
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	2	0.16
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	20	0.16
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	20	0.16
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	11	0.16
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	15	0.16
(2,2519)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	15	0.16
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	6	0.16
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	8	0.16
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	2	0.16
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	3	0.16
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	8	0.16
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	1	0.16
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	2	0.16
(2,2123)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	14	0.16
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	15	0.16
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	7	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	3	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	3	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	3	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	5	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	5	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	5	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	10	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	10	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	20	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	20	0.16
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	20	0.16
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	9	0.16
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	9	0.16
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	9	0.16
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	9	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	3	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	3	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	3	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	10	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	10	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	10	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	12	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	12	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	12	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	13	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	13	0.16
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	13	0.16
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	8	0.16
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	8	0.16
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	8	0.16
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	8	0.16
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	12	0.16
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	14	0.16
(2,1412)	1:57:A:ALA:HA	1:60:A:LYS:HB3	18	0.16
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	10	0.16
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	5	0.16
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	5	0.16
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	5	0.16
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	3	0.16
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	3	0.16
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	3	0.16
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	5	0.16
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	6	0.16
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	6	0.16
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	11	0.16
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	13	0.16
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	2	0.16
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	3	0.16
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	9	0.16
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,928)	2:138:B:LYS:HB3	2:139:B:GLN:H	19	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	5	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	7	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	11	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	13	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	14	0.16
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	20	0.16
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	3	0.16
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	7	0.16
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	13	0.16
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	15	0.16
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD11	20	0.16
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD12	20	0.16
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD13	20	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	5	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	8	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	10	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	16	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	18	0.16
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	19	0.16
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	5	0.16
(2,615)	2:94:B:PHE:HB3	2:157:B:LEU:H	20	0.16
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	14	0.16
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	3	0.16
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	8	0.16
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	16	0.16
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	17	0.16
(2,358)	2:149:B:TYR:H	2:149:B:TYR:HB3	11	0.16
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	19	0.16
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	15	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	3	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	4	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	5	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	6	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	7	0.16
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	17	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	1	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	5	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	15	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	16	0.16
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	20	0.16
(2,102)	2:139:B:GLN:H	2:139:B:GLN:HG2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	3	0.16
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	4	0.16
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	8	0.16
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	13	0.16
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	19	0.16
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	5	0.16
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	13	0.16
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	14	0.16
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	14	0.16
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	2	0.16
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	3	0.16
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	9	0.16
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	20	0.16
(1,3047)	2:149:B:TYR:H	2:149:B:TYR:HB3	11	0.16
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	16	0.16
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	16	0.16
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	16	0.16
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	6	0.16
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	8	0.16
(1,2831)	2:139:B:GLN:H	2:139:B:GLN:HG2	12	0.16
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	7	0.16
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	7	0.16
(1,2786)	2:138:B:LYS:HB3	2:139:B:GLN:H	19	0.16
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	7	0.16
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	13	0.16
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	15	0.16
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	3	0.16
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	4	0.16
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	8	0.16
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	13	0.16
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	19	0.16
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	1	0.16
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	5	0.16
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	15	0.16
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	16	0.16
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	20	0.16
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	2	0.16
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	3	0.16
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	8	0.16
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	5	0.16
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	6	0.16
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	8	0.16
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	16	0.16
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	17	0.16
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	19	0.16
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	1	0.16
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	2	0.16
(1,1914)	2:108:B:GLU:HG3	2:109:B:PRO:HD2	14	0.16
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	14	0.16
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	15	0.16
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	7	0.16
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	3	0.16
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	10	0.16
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	5	0.16
(1,1527)	2:94:B:PHE:HB3	2:157:B:LEU:H	20	0.16
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	5	0.16
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	13	0.16
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	3	0.16
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	3	0.16
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	6	0.16
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	6	0.16
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	18	0.16
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	18	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	3	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	4	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	5	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	6	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	7	0.16
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	17	0.16
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	15	0.16
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	20	0.16
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	6	0.16
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	11	0.16
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	13	0.16
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	9	0.16
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	8	0.16
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	12	0.16
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	14	0.16
(1,874)	1:57:A:ALA:HA	1:60:A:LYS:HB3	18	0.16
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	5	0.16
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	7	0.16
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	11	0.16
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	14	0.16
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	20	0.16
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	11	0.16
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	11	0.16
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG11	13	0.15
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG12	13	0.15
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG13	13	0.15
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG21	13	0.15
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG22	13	0.15
(2,2929)	1:45:A:LEU:HB2	1:72:A:VAL:HG23	13	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	3	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	3	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	3	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG21	3	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG22	3	0.15
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG23	3	0.15
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	10	0.15
(2,2572)	1:31:A:GLN:HG2	1:32:A:ALA:H	13	0.15
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	16	0.15
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	16	0.15
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	5	0.15
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	6	0.15
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	7	0.15
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	17	0.15
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	1	0.15
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	19	0.15
(2,2397)	2:145:B:THR:HB	2:147:B:SER:HB2	1	0.15
(2,2397)	2:145:B:THR:HB	2:147:B:SER:HB2	14	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	5	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	7	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	9	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	10	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	11	0.15
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	18	0.15
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	3	0.15
(2,1923)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	8	0.15
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	4	0.15
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	15	0.15
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	7	0.15
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	10	0.15
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	10	0.15
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	20	0.15
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	20	0.15
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	20	0.15
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	17	0.15
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	17	0.15
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	17	0.15
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	19	0.15
(2,1479)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	19	0.15
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	2	0.15
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	2	0.15
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	2	0.15
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD11	19	0.15
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD12	19	0.15
(2,1278)	1:66:A:GLN:HB2	2:98:B:LEU:HD13	19	0.15
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	5	0.15
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	5	0.15
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	5	0.15
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	9	0.15
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	9	0.15
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	9	0.15
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	7	0.15
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	8	0.15
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	13	0.15
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	19	0.15
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	14	0.15
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	19	0.15
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	18	0.15
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	1	0.15
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	8	0.15
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	14	0.15
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	18	0.15
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	6	0.15
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	15	0.15
(2,900)	1:56:A:GLU:H	1:56:A:GLU:HG3	17	0.15
(2,858)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	20	0.15
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	5	0.15
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	20	0.15
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD11	7	0.15
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD12	7	0.15
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD13	7	0.15
(2,723)	2:93:B:ILE:HD11	2:105:B:LEU:HB3	5	0.15
(2,723)	2:93:B:ILE:HD12	2:105:B:LEU:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,723)	2:93:B:ILE:HD13	2:105:B:LEU:HB3	5	0.15
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	14	0.15
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	17	0.15
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	18	0.15
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	19	0.15
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	2	0.15
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	10	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	1	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	2	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	10	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	11	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	14	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	19	0.15
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	20	0.15
(2,213)	1:21:A:LEU:HA	1:22:A:LEU:H	14	0.15
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	8	0.15
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	17	0.15
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	12	0.15
(2,122)	2:105:B:LEU:HB2	2:106:B:GLU:H	18	0.15
(2,34)	2:133:B:LEU:H	2:133:B:LEU:HB3	17	0.15
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	4	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	1	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	1	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	3	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	3	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	8	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	8	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	11	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	11	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	13	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	13	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	17	0.15
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	17	0.15
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	1	0.15
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	8	0.15
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	14	0.15
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	18	0.15
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	12	0.15
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	12	0.15
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	12	0.15
(1,2945)	2:145:B:THR:HB	2:147:B:SER:HB2	1	0.15
(1,2945)	2:145:B:THR:HB	2:147:B:SER:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	20	0.15
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	1	0.15
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	19	0.15
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	2	0.15
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	2	0.15
(1,2787)	2:138:B:LYS:HB3	2:149:B:TYR:HE2	4	0.15
(1,2787)	2:138:B:LYS:HB3	2:149:B:TYR:HE1	4	0.15
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	5	0.15
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	20	0.15
(1,2597)	2:133:B:LEU:H	2:133:B:LEU:HB3	17	0.15
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	8	0.15
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	17	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	5	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	7	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	9	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	10	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	11	0.15
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	18	0.15
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	19	0.15
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	10	0.15
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	2	0.15
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	12	0.15
(1,1817)	2:105:B:LEU:HB2	2:106:B:GLU:H	18	0.15
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	3	0.15
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	4	0.15
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	17	0.15
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	10	0.15
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	16	0.15
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	16	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	1	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	2	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	10	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	11	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	14	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	19	0.15
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	20	0.15
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	7	0.15
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	8	0.15
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	13	0.15
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	14	0.15
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	17	0.15
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	19	0.15
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	18	0.15
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	14	0.15
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	19	0.15
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	4	0.15
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	15	0.15
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	6	0.15
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	15	0.15
(1,872)	1:56:A:GLU:H	1:56:A:GLU:HG3	17	0.15
(1,863)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	8	0.15
(1,260)	1:31:A:GLN:HG2	1:32:A:ALA:H	13	0.15
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	15	0.15
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	15	0.15
(1,54)	1:21:A:LEU:HA	1:22:A:LEU:H	14	0.15
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	10	0.14
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	10	0.14
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	11	0.14
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	18	0.14
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	13	0.14
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	9	0.14
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	9	0.14
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	12	0.14
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	12	0.14
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	2	0.14
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	10	0.14
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	20	0.14
(2,2543)	1:29:A:ILE:HG21	1:33:A:ARG:HB3	13	0.14
(2,2543)	1:29:A:ILE:HG22	1:33:A:ARG:HB3	13	0.14
(2,2543)	1:29:A:ILE:HG23	1:33:A:ARG:HB3	13	0.14
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	13	0.14
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	9	0.14
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	12	0.14
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	14	0.14
(2,2206)	2:123:B:LYS:HG3	2:124:B:GLU:H	15	0.14
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	3	0.14
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	16	0.14
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	20	0.14
(2,1995)	2:96:B:LYS:HB3	2:102:B:THR:HG21	15	0.14
(2,1995)	2:96:B:LYS:HB3	2:102:B:THR:HG22	15	0.14
(2,1995)	2:96:B:LYS:HB3	2:102:B:THR:HG23	15	0.14
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	4	0.14
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	1	0.14
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	1	0.14
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB1	16	0.14
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB2	16	0.14
(2,1924)	1:56:A:GLU:HG3	1:57:A:ALA:HB3	16	0.14
(2,1923)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	19	0.14
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	6	0.14
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	19	0.14
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	19	0.14
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	19	0.14
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	19	0.14
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	2	0.14
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	2	0.14
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	2	0.14
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	16	0.14
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	16	0.14
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	16	0.14
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	18	0.14
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	18	0.14
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	18	0.14
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	15	0.14
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	15	0.14
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	15	0.14
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	19	0.14
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	19	0.14
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	19	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	7	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	7	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	7	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	9	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	9	0.14
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	9	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	5	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	5	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	5	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	6	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	6	0.14
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	6	0.14
(2,1360)	2:136:B:ALA:HB1	2:138:B:LYS:HG3	19	0.14
(2,1360)	2:136:B:ALA:HB2	2:138:B:LYS:HG3	19	0.14
(2,1360)	2:136:B:ALA:HB3	2:138:B:LYS:HG3	19	0.14
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	5	0.14
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	2	0.14
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	2	0.14
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	2	0.14
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	13	0.14
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	13	0.14
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	13	0.14
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	7	0.14
(2,1016)	1:58:A:ILE:H	1:58:A:ILE:HG12	12	0.14
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	11	0.14
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	12	0.14
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	6	0.14
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	16	0.14
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	10	0.14
(2,804)	1:67:A:LYS:HG2	1:67:A:LYS:HE2	3	0.14
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	2	0.14
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	13	0.14
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	2	0.14
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	16	0.14
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	6	0.14
(2,441)	2:109:B:PRO:HB3	2:110:B:SER:H	7	0.14
(2,365)	2:122:B:ASP:HB2	2:123:B:LYS:H	19	0.14
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	1	0.14
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	8	0.14
(2,252)	2:144:B:ARG:H	2:144:B:ARG:HB3	19	0.14
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	2	0.14
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	14	0.14
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	11	0.14
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	12	0.14
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	17	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	9	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	9	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	18	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	18	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	20	0.14
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	20	0.14
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	12	0.14
(1,2920)	2:144:B:ARG:H	2:144:B:ARG:HB3	19	0.14
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	9	0.14
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	10	0.14
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	2	0.14
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	12	0.14
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	14	0.14
(1,2364)	2:123:B:LYS:HG3	2:124:B:GLU:H	15	0.14
(1,2346)	2:122:B:ASP:HB2	2:123:B:LYS:H	19	0.14
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	11	0.14
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	18	0.14
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	11	0.14
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	12	0.14
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	17	0.14
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	7	0.14
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	6	0.14
(1,1934)	2:109:B:PRO:HB3	2:110:B:SER:H	7	0.14
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	1	0.14
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	3	0.14
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	16	0.14
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	20	0.14
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	16	0.14
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	13	0.14
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	7	0.14
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	7	0.14
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	9	0.14
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	9	0.14
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	8	0.14
(1,1205)	1:69:A:LEU:HB2	1:73:A:LEU:HD11	16	0.14
(1,1205)	1:69:A:LEU:HB2	1:73:A:LEU:HD12	16	0.14
(1,1205)	1:69:A:LEU:HB2	1:73:A:LEU:HD13	16	0.14
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	2	0.14
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	16	0.14
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	11	0.14
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	2	0.14
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	13	0.14
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	13	0.14
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	2	0.14
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	5	0.14
(1,930)	1:58:A:ILE:H	1:58:A:ILE:HG12	12	0.14
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	6	0.14
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	19	0.14
(1,863)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	19	0.14
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	4	0.14
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	13	0.14
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	13	0.14
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	13	0.14
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	13	0.14
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	12	0.13
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	12	0.13
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	4	0.13
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	2	0.13
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	17	0.13
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	17	0.13
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	2	0.13
(2,2073)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	7	0.13
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	10	0.13
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	16	0.13
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	20	0.13
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	3	0.13
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	12	0.13
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	12	0.13
(2,1644)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	12	0.13
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	4	0.13
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	4	0.13
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	4	0.13
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	5	0.13
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	5	0.13
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	5	0.13
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	7	0.13
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	7	0.13
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	7	0.13
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	20	0.13
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	20	0.13
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	20	0.13
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	7	0.13
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	7	0.13
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	7	0.13
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	4	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	1	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	1	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	1	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	2	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	2	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	2	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	3	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	3	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	4	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	4	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	4	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	6	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	6	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	6	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	7	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	7	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	7	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	8	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	8	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	8	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	9	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	9	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	9	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	10	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	10	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	10	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	11	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	11	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	11	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	12	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	12	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	12	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	13	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	13	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	13	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	15	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	15	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	15	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	16	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	16	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	16	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	20	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	20	0.13
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	20	0.13
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	1	0.13
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	4	0.13
(2,1162)	1:59:A:LEU:HB3	1:60:A:LYS:HA	7	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	3	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	3	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	4	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	4	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	4	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	6	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	6	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	6	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	7	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	7	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	7	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	8	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	8	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	8	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	9	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	9	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	9	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	11	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	11	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	11	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	12	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	12	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	12	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	13	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	13	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	13	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	15	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	15	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	15	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	19	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	19	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	19	0.13
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	20	0.13
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	20	0.13
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	20	0.13
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	7	0.13
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	7	0.13
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	7	0.13
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	10	0.13
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	10	0.13
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	10	0.13
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	15	0.13
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	15	0.13
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	20	0.13
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	20	0.13
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	20	0.13
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	4	0.13
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	15	0.13
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	9	0.13
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	17	0.13
(2,951)	1:38:A:LEU:HA	1:41:A:MET:HB3	16	0.13
(2,899)	1:56:A:GLU:HA	1:56:A:GLU:HG2	14	0.13
(2,858)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	4	0.13
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	1	0.13
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	16	0.13
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	9	0.13
(2,469)	1:60:A:LYS:HG2	1:61:A:HIS:H	12	0.13
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	7	0.13
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	15	0.13
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	1	0.13
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	5	0.13
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	9	0.13
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	13	0.13
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	18	0.13
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	6	0.13
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	16	0.13
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	3	0.13
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	7	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	1	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	2	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	3	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	5	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	8	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	9	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	10	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	13	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	14	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	16	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	18	0.13
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	20	0.13
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	6	0.13
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	16	0.13
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	12	0.13
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	12	0.13
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	2:144:B:ARG:HB2	2:148:B:ASP:HB2	4	0.13
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	2	0.13
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	1	0.13
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	16	0.13
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	3	0.13
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	3	0.13
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	7	0.13
(1,2383)	2:124:B:GLU:HB2	2:126:B:ILE:HG12	7	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	1	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	2	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	3	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	5	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	8	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	9	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	10	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	13	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	14	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	16	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	18	0.13
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	20	0.13
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	4	0.13
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	15	0.13
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	5	0.13
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	1	0.13
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	4	0.13
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	9	0.13
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	4	0.13
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	12	0.13
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	12	0.13
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	20	0.13
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	20	0.13
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	9	0.13
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	13	0.13
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	18	0.13
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	7	0.13
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	15	0.13
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	9	0.13
(1,998)	1:60:A:LYS:HG2	1:61:A:HIS:H	12	0.13
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	2	0.13
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	17	0.13
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	1	0.13
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:59:A:LEU:HB3	1:60:A:LYS:HA	7	0.13
(1,847)	1:56:A:GLU:HA	1:56:A:GLU:HG2	14	0.13
(1,643)	1:45:A:LEU:HB2	1:49:A:VAL:HG23	6	0.13
(1,643)	1:45:A:LEU:HB2	1:49:A:VAL:HG21	6	0.13
(1,643)	1:45:A:LEU:HB2	1:49:A:VAL:HG22	6	0.13
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD11	16	0.13
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD12	16	0.13
(1,519)	1:41:A:MET:HB2	1:69:A:LEU:HD13	16	0.13
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	1	0.13
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	1	0.13
(1,423)	1:38:A:LEU:HA	1:41:A:MET:HB3	16	0.13
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	3	0.13
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	3	0.13
(1,167)	1:27:A:SER:HB3	1:28:A:GLU:HB3	1	0.13
(1,167)	1:27:A:SER:HB2	1:28:A:GLU:HB3	1	0.13
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	17	0.12
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	17	0.12
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	19	0.12
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	19	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	17	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	17	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	17	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	17	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	17	0.12
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	17	0.12
(2,2776)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	20	0.12
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	1	0.12
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE1	17	0.12
(2,2567)	1:31:A:GLN:HB2	1:35:A:TYR:HE2	17	0.12
(2,2566)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	3	0.12
(2,2397)	2:145:B:THR:HB	2:147:B:SER:HB2	18	0.12
(2,2395)	2:145:B:THR:HG21	2:147:B:SER:HB2	2	0.12
(2,2395)	2:145:B:THR:HG22	2:147:B:SER:HB2	2	0.12
(2,2395)	2:145:B:THR:HG23	2:147:B:SER:HB2	2	0.12
(2,2382)	2:146:B:LEU:HA	2:149:B:TYR:HB3	4	0.12
(2,1889)	1:58:A:ILE:HA	1:61:A:HIS:HB3	13	0.12
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	4	0.12
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	9	0.12
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	11	0.12
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	16	0.12
(2,1638)	2:95:B:VAL:HG21	2:157:B:LEU:HB3	9	0.12
(2,1638)	2:95:B:VAL:HG22	2:157:B:LEU:HB3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1638)	2:95:B:VAL:HG23	2:157:B:LEU:HB3	9	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	1	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	1	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	1	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	3	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	3	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	3	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	8	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	8	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	8	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	12	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	12	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	12	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	14	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	14	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	14	0.12
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	17	0.12
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	17	0.12
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	17	0.12
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	20	0.12
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	20	0.12
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	20	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	11	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	11	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	11	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	16	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	16	0.12
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	16	0.12
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	12	0.12
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	12	0.12
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	12	0.12
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	11	0.12
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	11	0.12
(2,1422)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	11	0.12
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	3	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	5	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	5	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	5	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	14	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	14	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	14	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	17	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	17	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	18	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	18	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	18	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD11	19	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD12	19	0.12
(2,1288)	2:157:B:LEU:HB3	2:157:B:LEU:HD13	19	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	6	0.12
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	6	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	6	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	13	0.12
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	13	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	13	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	15	0.12
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	15	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	15	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	19	0.12
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	19	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	19	0.12
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	20	0.12
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	20	0.12
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	20	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	1	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	1	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	1	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	2	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	2	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	2	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	5	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	5	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	5	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	10	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	10	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	10	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	14	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	14	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	14	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	16	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	16	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	16	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	17	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	17	0.12
(2,1107)	1:53:A:ILE:HG21	1:53:A:ILE:HG12	18	0.12
(2,1107)	1:53:A:ILE:HG22	1:53:A:ILE:HG12	18	0.12
(2,1107)	1:53:A:ILE:HG23	1:53:A:ILE:HG12	18	0.12
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	12	0.12
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	12	0.12
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	12	0.12
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	4	0.12
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	10	0.12
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	11	0.12
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	13	0.12
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	13	0.12
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	20	0.12
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	4	0.12
(2,926)	1:28:A:GLU:HA	1:31:A:GLN:HG2	10	0.12
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	11	0.12
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	17	0.12
(2,801)	1:67:A:LYS:HG2	1:67:A:LYS:HE3	13	0.12
(2,723)	2:93:B:ILE:HD11	2:105:B:LEU:HB3	17	0.12
(2,723)	2:93:B:ILE:HD12	2:105:B:LEU:HB3	17	0.12
(2,723)	2:93:B:ILE:HD13	2:105:B:LEU:HB3	17	0.12
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	1	0.12
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	5	0.12
(2,461)	1:67:A:LYS:H	1:67:A:LYS:HG3	10	0.12
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	6	0.12
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	14	0.12
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	18	0.12
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	2	0.12
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	11	0.12
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	12	0.12
(2,272)	1:73:A:LEU:H	1:73:A:LEU:HB3	16	0.12
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	15	0.12
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	18	0.12
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	4	0.12
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	6	0.12
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	15	0.12
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	6	0.12
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	17	0.12
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	20	0.12
(2,68)	1:21:A:LEU:H	1:22:A:LEU:H	8	0.12
(2,68)	1:21:A:LEU:H	1:22:A:LEU:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	15	0.12
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	4	0.12
(1,2967)	2:146:B:LEU:HA	2:149:B:TYR:HB3	4	0.12
(1,2945)	2:145:B:THR:HB	2:147:B:SER:HB2	18	0.12
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	11	0.12
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	17	0.12
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	4	0.12
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	9	0.12
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	11	0.12
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	16	0.12
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	18	0.12
(1,2315)	2:121:B:GLN:HB2	2:128:B:PRO:HD2	20	0.12
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	4	0.12
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	6	0.12
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	15	0.12
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	10	0.12
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	11	0.12
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	13	0.12
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	14	0.12
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	18	0.12
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	6	0.12
(1,1692)	2:97:B:THR:HG21	2:124:B:GLU:HG2	19	0.12
(1,1692)	2:97:B:THR:HG22	2:124:B:GLU:HG2	19	0.12
(1,1692)	2:97:B:THR:HG23	2:124:B:GLU:HG2	19	0.12
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	3	0.12
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	6	0.12
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	17	0.12
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	20	0.12
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	13	0.12
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	20	0.12
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	12	0.12
(1,1263)	1:73:A:LEU:H	1:73:A:LEU:HB3	16	0.12
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	2	0.12
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	11	0.12
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	4	0.12
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	1	0.12
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	5	0.12
(1,1175)	1:67:A:LYS:H	1:67:A:LYS:HG3	10	0.12
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	1	0.12
(1,910)	1:58:A:ILE:HA	1:61:A:HIS:HB3	13	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	4	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	5	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	5	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	11	0.12
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	11	0.12
(1,367)	1:35:A:TYR:HB3	1:38:A:LEU:HB2	3	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	3	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	3	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	3	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD11	4	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD12	4	0.12
(1,186)	1:28:A:GLU:HB3	1:29:A:ILE:HD13	4	0.12
(1,179)	1:28:A:GLU:HA	1:31:A:GLN:HG2	10	0.12
(1,59)	1:21:A:LEU:H	1:22:A:LEU:H	8	0.12
(1,59)	1:21:A:LEU:H	1:22:A:LEU:H	13	0.12
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	5	0.11
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	5	0.11
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	6	0.11
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	6	0.11
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB3	13	0.11
(2,3148)	2:113:B:ILE:HG12	2:140:B:LEU:HB2	13	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG11	7	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG12	7	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG13	7	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG21	7	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG22	7	0.11
(2,2997)	1:67:A:LYS:HD3	1:71:A:VAL:HG23	7	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG21	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG22	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG23	1	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG11	19	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG12	19	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG13	19	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG21	19	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG22	19	0.11
(2,2887)	1:40:A:HIS:HB2	1:65:A:VAL:HG23	19	0.11
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	1	0.11
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	5	0.11
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	7	0.11
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	7	0.11
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	9	0.11
(2,2719)	1:60:A:LYS:HB2	1:61:A:HIS:HA	16	0.11
(2,2677)	1:40:A:HIS:HB2	1:41:A:MET:HG3	16	0.11
(2,2556)	2:113:B:ILE:HG12	2:140:B:LEU:HD21	17	0.11
(2,2556)	2:113:B:ILE:HG12	2:140:B:LEU:HD22	17	0.11
(2,2556)	2:113:B:ILE:HG12	2:140:B:LEU:HD23	17	0.11
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	16	0.11
(2,2484)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	16	0.11
(2,2448)	2:91:B:MET:HG2	2:152:B:GLN:HA	2	0.11
(2,2399)	2:144:B:ARG:HA	2:148:B:ASP:HB3	3	0.11
(2,2118)	2:107:B:VAL:HA	2:108:B:GLU:HG2	10	0.11
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	3	0.11
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	8	0.11
(2,1963)	1:45:A:LEU:HB2	1:48:A:ALA:H	14	0.11
(2,1941)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	6	0.11
(2,1941)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	19	0.11
(2,1923)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	17	0.11
(2,1923)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	18	0.11
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	12	0.11
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	11	0.11
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	11	0.11
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	11	0.11
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	15	0.11
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	15	0.11
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	15	0.11
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	9	0.11
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	9	0.11
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	9	0.11
(2,1514)	2:107:B:VAL:HG11	2:119:B:LYS:HB3	11	0.11
(2,1514)	2:107:B:VAL:HG12	2:119:B:LYS:HB3	11	0.11
(2,1514)	2:107:B:VAL:HG13	2:119:B:LYS:HB3	11	0.11
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG11	15	0.11
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG12	15	0.11
(2,1513)	2:91:B:MET:HG3	2:107:B:VAL:HG13	15	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	2	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	2	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	2	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	4	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	4	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	4	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	5	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	5	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	9	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	9	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	9	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	11	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	11	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	11	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	14	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	14	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	14	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	15	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	15	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	15	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	16	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	16	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	16	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	18	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	18	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	18	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	19	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	19	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	19	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	20	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	20	0.11
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	20	0.11
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	12	0.11
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	14	0.11
(2,1347)	2:96:B:LYS:HB2	2:158:B:HIS:HA	19	0.11
(2,1078)	1:26:A:LEU:HB2	1:31:A:GLN:HB3	1	0.11
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	11	0.11
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	11	0.11
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	11	0.11
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	17	0.11
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	17	0.11
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	17	0.11
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	8	0.11
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	9	0.11
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	16	0.11
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	17	0.11
(2,997)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	6	0.11
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	6	0.11
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	8	0.11
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	11	0.11
(2,986)	2:91:B:MET:HG3	2:153:B:LYS:HB3	14	0.11
(2,892)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	14	0.11
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	3	0.11
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	8	0.11
(2,419)	1:69:A:LEU:HB2	1:70:A:SER:H	10	0.11
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	9	0.11
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	20	0.11
(2,314)	2:108:B:GLU:H	2:108:B:GLU:HG2	2	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	1	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	3	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	5	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	8	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	11	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	13	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	17	0.11
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	18	0.11
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	4	0.11
(2,138)	2:94:B:PHE:HB2	2:95:B:VAL:H	15	0.11
(2,13)	2:93:B:ILE:HG12	2:105:B:LEU:H	16	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	1	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	3	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	5	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	8	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	11	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	13	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	17	0.11
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	18	0.11
(1,2900)	2:144:B:ARG:HA	2:148:B:ASP:HB3	3	0.11
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB3	16	0.11
(1,2714)	2:135:B:PHE:HB3	2:157:B:LEU:HB2	16	0.11
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	3	0.11
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	8	0.11
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	12	0.11
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	8	0.11
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	9	0.11
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	16	0.11
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	17	0.11
(1,1920)	2:108:B:GLU:H	2:108:B:GLU:HG2	2	0.11
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	20	0.11
(1,1871)	2:107:B:VAL:HA	2:108:B:GLU:HG2	10	0.11
(1,1768)	2:103:B:ILE:HG13	2:124:B:GLU:HG3	14	0.11
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	12	0.11
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	14	0.11
(1,1648)	2:96:B:LYS:HB2	2:158:B:HIS:HA	19	0.11
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	4	0.11
(1,1528)	2:94:B:PHE:HB2	2:95:B:VAL:H	15	0.11
(1,1464)	2:93:B:ILE:HG12	2:105:B:LEU:H	16	0.11
(1,1352)	2:91:B:MET:HG2	2:152:B:GLN:HA	2	0.11
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	3	0.11
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	6	0.11
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	8	0.11
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	11	0.11
(1,1345)	2:91:B:MET:HG3	2:153:B:LYS:HB3	14	0.11
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	1	0.11
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	5	0.11
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	7	0.11
(1,1311)	2:90:B:GLY:HA2	2:91:B:MET:HG3	5	0.11
(1,1311)	2:90:B:GLY:HA3	2:91:B:MET:HG3	5	0.11
(1,1204)	1:69:A:LEU:HB2	1:70:A:SER:H	10	0.11
(1,1024)	1:61:A:HIS:HB2	1:67:A:LYS:HB2	6	0.11
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	6	0.11
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	7	0.11
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	9	0.11
(1,994)	1:60:A:LYS:HB2	1:61:A:HIS:HA	16	0.11
(1,863)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	17	0.11
(1,863)	1:56:A:GLU:HG3	1:60:A:LYS:HG2	18	0.11
(1,720)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	6	0.11
(1,720)	1:50:A:PRO:HD3	1:53:A:ILE:HG12	19	0.11
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB3	9	0.11
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB1	9	0.11
(1,641)	1:45:A:LEU:HB2	1:48:A:ALA:HB2	9	0.11
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	3	0.11
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	8	0.11
(1,640)	1:45:A:LEU:HB2	1:48:A:ALA:H	14	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	2	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	2	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	6	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	6	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	7	0.11
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:26:A:LEU:HB2	1:31:A:GLN:HB3	1	0.11
(2,3037)	2:92:B:GLN:H	2:92:B:GLN:HG3	19	0.1
(2,3037)	2:92:B:GLN:H	2:92:B:GLN:HG2	19	0.1
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	8	0.1
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	13	0.1
(2,2774)	2:91:B:MET:HA	2:91:B:MET:HG3	18	0.1
(2,2720)	1:61:A:HIS:HA	1:67:A:LYS:HB2	18	0.1
(2,2563)	1:40:A:HIS:HB2	1:41:A:MET:HG2	15	0.1
(2,2395)	2:145:B:THR:HG21	2:147:B:SER:HB2	14	0.1
(2,2395)	2:145:B:THR:HG22	2:147:B:SER:HB2	14	0.1
(2,2395)	2:145:B:THR:HG23	2:147:B:SER:HB2	14	0.1
(2,2072)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	17	0.1
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD11	15	0.1
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD12	15	0.1
(2,2026)	2:91:B:MET:HG2	2:93:B:ILE:HD13	15	0.1
(2,1881)	1:33:A:ARG:HB2	1:63:A:PHE:HB2	5	0.1
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	17	0.1
(2,1666)	2:128:B:PRO:HD3	2:129:B:ASP:H	18	0.1
(2,1604)	1:49:A:VAL:HG11	1:50:A:PRO:HD3	13	0.1
(2,1604)	1:49:A:VAL:HG12	1:50:A:PRO:HD3	13	0.1
(2,1604)	1:49:A:VAL:HG13	1:50:A:PRO:HD3	13	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	7	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	7	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	7	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	8	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	8	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	8	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	17	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	17	0.1
(2,1429)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	17	0.1
(2,1125)	2:118:B:ALA:HB1	2:121:B:GLN:HB2	10	0.1
(2,1125)	2:118:B:ALA:HB2	2:121:B:GLN:HB2	10	0.1
(2,1125)	2:118:B:ALA:HB3	2:121:B:GLN:HB2	10	0.1
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	1	0.1
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	1	0.1
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	1	0.1
(2,1058)	1:53:A:ILE:HG21	1:56:A:GLU:HB2	6	0.1
(2,1058)	1:53:A:ILE:HG22	1:56:A:GLU:HB2	6	0.1
(2,1058)	1:53:A:ILE:HG23	1:56:A:GLU:HB2	6	0.1
(2,1038)	1:70:A:SER:HA	1:73:A:LEU:HB3	3	0.1
(2,1027)	2:109:B:PRO:HB3	2:147:B:SER:HB3	20	0.1
(2,983)	2:153:B:LYS:HB2	2:154:B:GLU:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,922)	2:133:B:LEU:H	2:139:B:GLN:HG3	12	0.1
(2,903)	2:116:B:VAL:HA	2:119:B:LYS:HG2	15	0.1
(2,903)	2:116:B:VAL:HA	2:119:B:LYS:HG2	19	0.1
(2,867)	2:102:B:THR:HB	2:103:B:ILE:H	6	0.1
(2,822)	2:134:B:ILE:HB	2:158:B:HIS:HB3	12	0.1
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD11	15	0.1
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD12	15	0.1
(2,813)	1:54:A:LEU:HB2	1:58:A:ILE:HD13	15	0.1
(2,446)	2:108:B:GLU:HB2	2:110:B:SER:H	18	0.1
(2,419)	1:69:A:LEU:HB2	1:70:A:SER:H	16	0.1
(2,315)	2:108:B:GLU:H	2:108:B:GLU:HB3	11	0.1
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	6	0.1
(2,288)	1:73:A:LEU:HB3	1:74:A:GLU:H	10	0.1
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	4	0.1
(2,243)	2:158:B:HIS:H	2:158:B:HIS:HB3	14	0.1
(2,205)	2:126:B:ILE:H	2:126:B:ILE:HG12	11	0.1
(2,194)	2:119:B:LYS:H	2:119:B:LYS:HB3	19	0.1
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	4	0.1
(1,3214)	2:158:B:HIS:H	2:158:B:HIS:HB3	14	0.1
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	6	0.1
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	6	0.1
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG3	19	0.1
(1,3144)	2:153:B:LYS:HB2	2:154:B:GLU:HG2	19	0.1
(1,3143)	2:153:B:LYS:HB2	2:154:B:GLU:H	19	0.1
(1,3002)	2:146:B:LEU:HD22	2:149:B:TYR:HB3	17	0.1
(1,3002)	2:146:B:LEU:HD23	2:149:B:TYR:HB3	17	0.1
(1,3002)	2:146:B:LEU:HD21	2:149:B:TYR:HB3	17	0.1
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE2	9	0.1
(1,2803)	2:138:B:LYS:HG2	2:149:B:TYR:HE1	9	0.1
(1,2637)	2:134:B:ILE:HB	2:158:B:HIS:HB3	12	0.1
(1,2603)	2:133:B:LEU:H	2:139:B:GLN:HG3	12	0.1
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	17	0.1
(1,2474)	2:128:B:PRO:HD3	2:129:B:ASP:H	18	0.1
(1,2420)	2:126:B:ILE:H	2:126:B:ILE:HG12	11	0.1
(1,2246)	2:119:B:LYS:H	2:119:B:LYS:HB3	19	0.1
(1,1935)	2:109:B:PRO:HB3	2:147:B:SER:HB3	20	0.1
(1,1917)	2:108:B:GLU:H	2:108:B:GLU:HB3	11	0.1
(1,1910)	2:108:B:GLU:HB2	2:110:B:SER:H	18	0.1
(1,1769)	2:103:B:ILE:HG13	2:124:B:GLU:HG2	17	0.1
(1,1751)	2:102:B:THR:HB	2:103:B:ILE:H	6	0.1
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	8	0.1
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	2:91:B:MET:HA	2:91:B:MET:HG3	18	0.1
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	6	0.1
(1,1258)	1:73:A:LEU:HB3	1:74:A:GLU:H	10	0.1
(1,1218)	1:70:A:SER:HA	1:73:A:LEU:HB3	3	0.1
(1,1204)	1:69:A:LEU:HB2	1:70:A:SER:H	16	0.1
(1,1011)	1:61:A:HIS:HA	1:67:A:LYS:HB2	18	0.1
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	10	0.1
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	10	0.1
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG3	20	0.1
(1,481)	1:40:A:HIS:HB2	1:41:A:MET:HG2	20	0.1
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD1	6	0.1
(1,254)	1:31:A:GLN:HB2	1:35:A:TYR:HD2	6	0.1
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	16	0.1
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	16	0.1
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	16	0.1
(1,132)	1:26:A:LEU:HD11	1:31:A:GLN:HE21	19	0.1
(1,132)	1:26:A:LEU:HD12	1:31:A:GLN:HE21	19	0.1
(1,132)	1:26:A:LEU:HD13	1:31:A:GLN:HE21	19	0.1

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

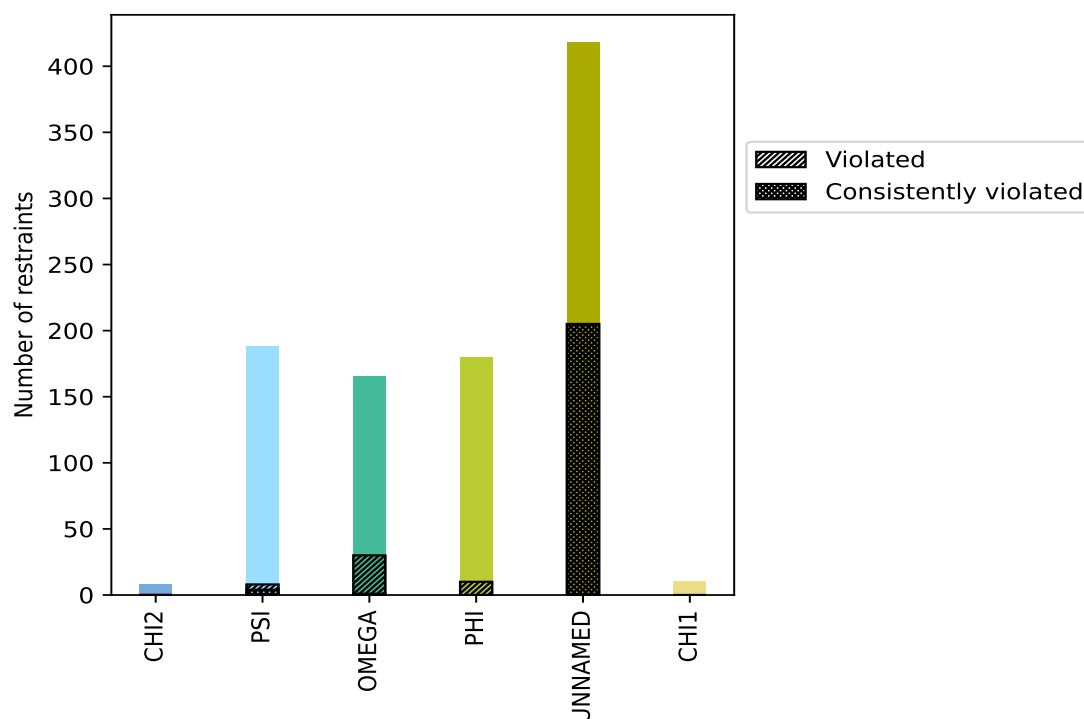
10.1 Summary of dihedral-angle violations [i](#)

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
CHI2	8	0.8	0	0.0	0.0	0	0.0	0.0
PSI	188	19.4	8	4.3	0.8	4	2.1	0.4
OMEGA	165	17.0	30	18.2	3.1	1	0.6	0.1
PHI	180	18.6	10	5.6	1.0	0	0.0	0.0
UNNAMED	418	43.1	205	49.0	21.2	205	49.0	21.2
CHI1	10	1.0	0	0.0	0.0	0	0.0	0.0
Total	969	100.0	253	26.1	26.1	210	21.7	21.7

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

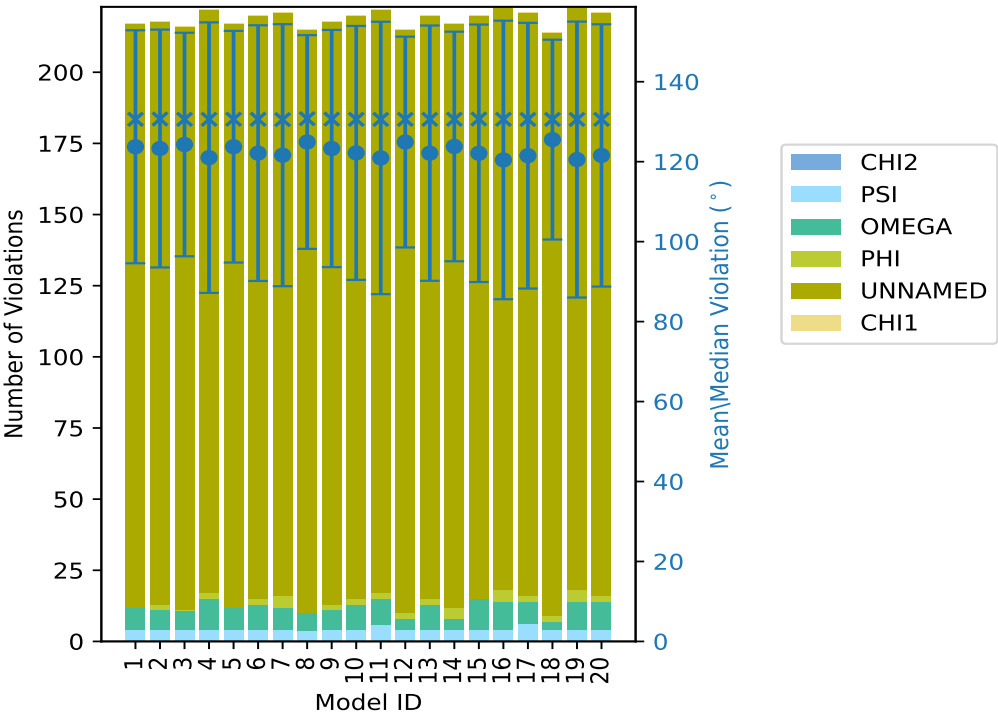
respective categories

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 (°)
	CHI2	PSI	OMEGA	PHI	UNNAMED	CHI1	Total			
1	0	4	8	0	205	0	217	123.73	133.65	29.14
2	0	4	7	2	205	0	218	123.29	133.61	29.75
3	0	4	7	0	205	0	216	124.29	134.02	27.96
4	0	4	11	2	205	0	222	121.01	134.14	33.83
5	0	4	8	0	205	0	217	123.74	134.25	28.97
6	0	4	9	2	205	0	220	122.14	134.14	31.98
7	0	4	8	4	205	0	221	121.62	134.14	32.77
8	0	4	6	0	205	0	215	124.92	133.97	26.73
9	0	4	7	2	205	0	218	123.29	134.12	29.66
10	0	4	9	2	205	0	220	122.19	134.01	31.76
11	0	6	9	2	205	0	222	120.93	134.09	34.07
12	0	4	4	2	205	0	215	124.91	133.95	26.36
13	0	4	9	2	205	0	220	122.13	133.97	31.93
14	0	4	4	4	205	0	217	123.81	133.84	28.71
15	0	4	11	0	205	0	220	122.1	134.1	32.2
16	0	4	10	4	205	0	223	120.43	134.21	34.83
17	0	6	8	2	205	0	221	121.5	134.01	33.23
18	0	4	3	2	205	0	214	125.52	133.77	24.99
19	0	4	10	4	205	0	223	120.53	133.99	34.51
20	0	4	10	2	205	0	221	121.56	134.09	32.8

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



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints							Fraction of the ensemble	
CHI2	PSI	OMEGA	PHI	UNNAMED	CHI1	Total	Count ¹	%
0	4	12	4	0	0	20	1	5.0
0	0	4	0	0	0	4	2	10.0
0	0	4	2	0	0	6	3	15.0
0	0	0	2	0	0	2	4	20.0
0	0	1	0	0	0	1	5	25.0
0	0	1	0	0	0	1	6	30.0
0	0	0	0	0	0	0	7	35.0
0	0	2	0	0	0	2	8	40.0
0	0	0	0	0	0	0	9	45.0
0	0	0	2	0	0	2	10	50.0
0	0	0	0	0	0	0	11	55.0

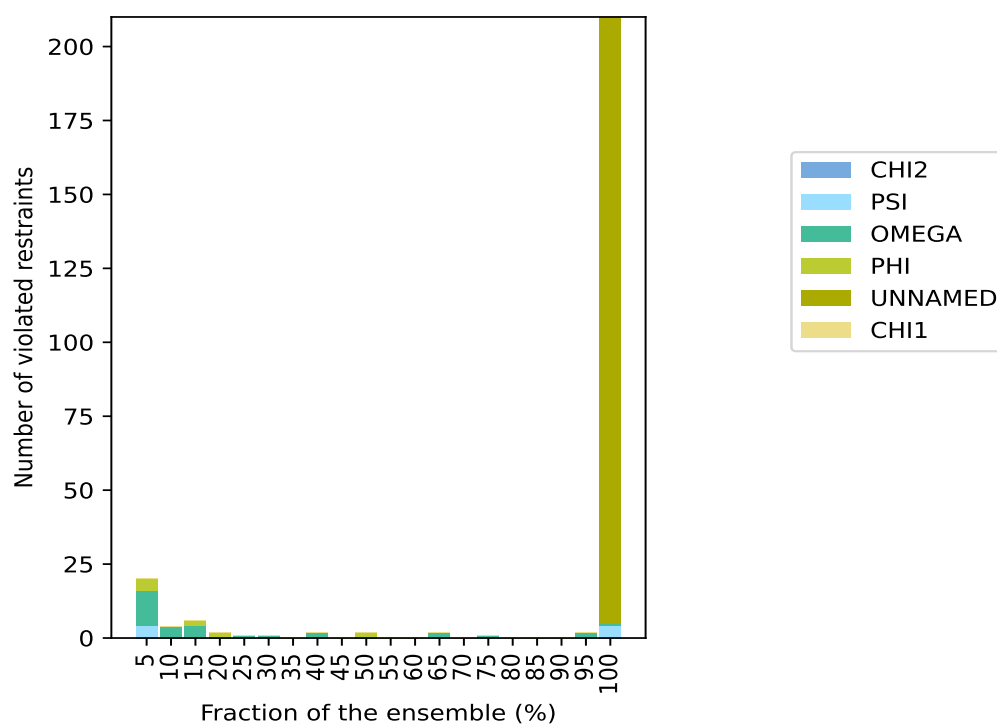
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Number of violated restraints							Fraction of the ensemble	
CHI2	PSI	OMEGA	PHI	UNNAMED	CHI1	Total	Count ¹	%
0	0	0	0	0	0	0	12	60.0
0	0	2	0	0	0	2	13	65.0
0	0	0	0	0	0	0	14	70.0
0	0	1	0	0	0	1	15	75.0
0	0	0	0	0	0	0	16	80.0
0	0	0	0	0	0	0	17	85.0
0	0	0	0	0	0	0	18	90.0
0	0	2	0	0	0	2	19	95.0
0	4	1	0	205	0	210	20	100.0

¹ Number of models with violations

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

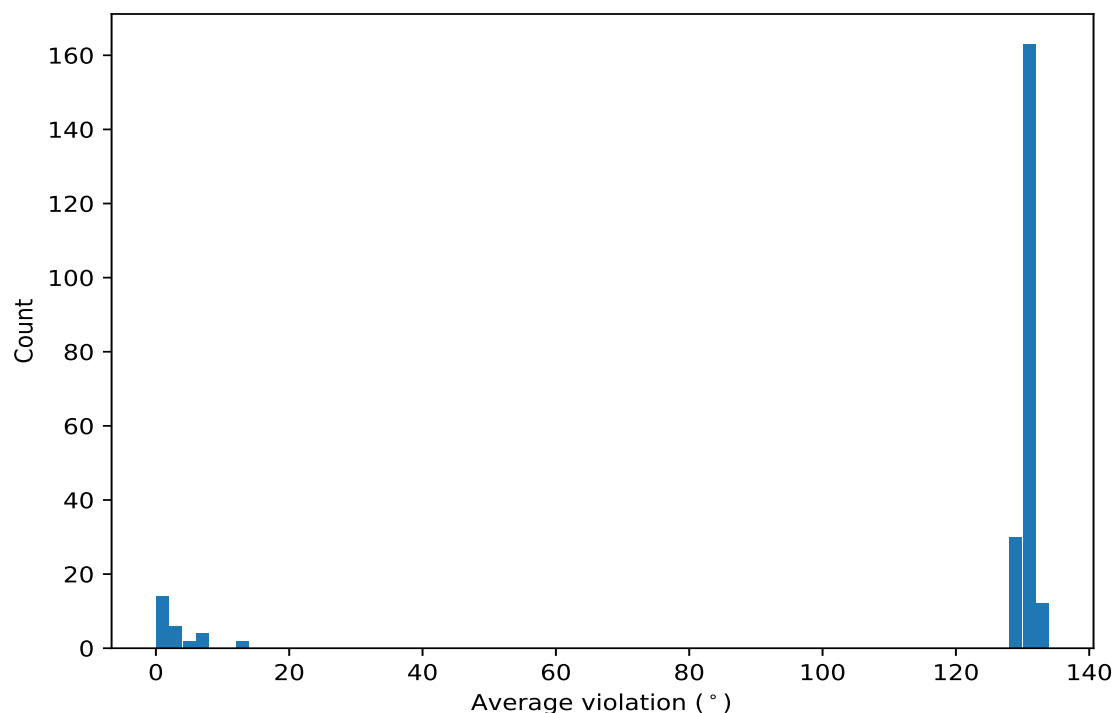


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

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 ⓘ

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	Mea
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	20	133.56	0.05	133
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	20	133.43	1.14	134
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	20	133.29	0.53	133
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	20	133.29	0.05	133
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	20	133.2	0.06	133
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	20	132.65	0.53	132
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	20	132.51	0.54	132
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	20	132.49	0.47	132
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	20	132.46	0.4	132
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	20	132.38	0.17	132
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	20	132.25	0.12	132
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	20	132.05	0.19	132
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	20	131.91	0.25	131
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	20	131.89	0.09	131
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	20	131.76	0.19	131
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	20	131.73	0.36	131
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	20	131.72	0.2	131
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	20	131.71	0.17	131
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	20	131.7	0.18	131
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	20	131.7	0.2	131

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Mea
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	20	131.69	0.2	131
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	20	131.69	0.22	131
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	20	131.68	0.23	131
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	20	131.67	0.21	131
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	20	131.66	0.18	131
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	20	131.66	0.16	131
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	20	131.66	0.21	131
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	20	131.65	0.17	131
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	20	131.62	0.19	131
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	20	131.62	0.09	131
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	20	131.62	0.2	131
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	20	131.61	0.46	131
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	20	131.6	0.19	131
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	20	131.58	0.12	131
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	20	131.5	0.37	131
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	20	131.48	0.2	131
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	20	131.45	0.22	131
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	20	131.42	0.17	131
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	20	131.42	0.05	131
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	20	131.38	0.29	131
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	20	131.31	0.08	131
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	20	131.3	0.08	131
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	20	131.25	0.12	131
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	20	131.23	0.08	131
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	20	131.23	0.1	131
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	20	131.22	0.38	131
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	20	131.22	0.28	131
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	20	131.2	0.22	131
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	20	131.18	0.59	131
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	20	131.18	0.29	131
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	20	131.18	0.18	131
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	20	131.16	0.23	131
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	20	131.16	0.12	131
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	20	131.16	0.32	131
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	20	131.14	0.2	131
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	20	131.14	0.18	131
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	20	131.14	0.37	131
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	20	131.13	0.28	131
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	20	131.13	0.21	131
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	20	131.12	0.17	131
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	20	131.11	0.21	131
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	20	131.1	0.16	131
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	20	131.08	0.5	131
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	20	131.07	0.1	131
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	20	131.06	0.29	131
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	20	131.03	0.19	131
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	20	131.01	0.06	131
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	20	131.0	0.34	131
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	20	131.0	0.1	131
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	20	130.99	0.34	131
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	20	130.97	0.39	130

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Mea
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	20	130.92	0.17	130
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	20	130.91	0.31	130
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	20	130.9	0.32	131
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	20	130.9	0.16	130
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	20	130.9	0.11	130
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	20	130.86	0.36	130
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	20	130.85	0.19	130
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	20	130.81	0.13	130
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	20	130.8	0.05	130
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	20	130.8	0.11	130
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	20	130.78	1.14	131
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	20	130.77	0.29	130
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	20	130.76	0.09	130
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	20	130.75	0.32	130
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	20	130.75	0.09	130
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	20	130.75	0.4	130
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	20	130.74	0.51	130
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	20	130.72	0.5	130
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	20	130.71	0.16	130
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	20	130.71	0.38	130
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	20	130.71	0.06	130
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	20	130.7	0.3	130
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	20	130.68	0.4	130
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	20	130.67	0.55	130
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	20	130.66	0.23	130
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	20	130.66	0.37	130
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	20	130.64	0.1	130
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	20	130.62	0.27	130
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	20	130.6	0.33	130
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	20	130.6	0.54	130
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	20	130.59	0.25	130
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	20	130.59	0.49	130
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	20	130.58	0.4	130
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	20	130.58	0.25	130
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	20	130.57	0.56	130
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	20	130.57	0.03	130
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	20	130.56	0.32	130
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	20	130.54	0.39	130
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	20	130.54	0.15	130
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	20	130.53	0.25	130
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	20	130.53	0.42	130
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	20	130.53	0.2	130
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	20	130.52	0.73	130
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	20	130.52	0.35	130
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	20	130.52	0.2	130
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	20	130.51	0.2	130
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	20	130.51	0.09	130
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	20	130.51	0.41	130
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	20	130.5	0.22	130
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	20	130.49	0.06	130
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	20	130.49	0.12	130

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Mea
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	20	130.47	0.33	130
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	20	130.47	0.14	130
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	20	130.47	0.37	130
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	20	130.45	0.14	130
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	20	130.44	0.19	130
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	20	130.44	0.33	130
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	20	130.44	0.37	130
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	20	130.42	0.43	130
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	20	130.4	0.12	130
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	20	130.4	0.36	130
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	20	130.4	0.26	130
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	20	130.4	0.39	130
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	20	130.39	0.48	130
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	20	130.39	0.58	130
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	20	130.39	0.55	130
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	20	130.35	0.1	130
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	20	130.35	0.11	130
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	20	130.34	0.74	129
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	20	130.33	0.57	130
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	20	130.33	0.39	130
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	20	130.33	0.27	130
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	20	130.32	0.05	130
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	20	130.32	0.44	130
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	20	130.32	0.13	130
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	20	130.31	0.1	130
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	20	130.31	0.55	130
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	20	130.31	0.07	130
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	20	130.29	0.2	130
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	20	130.29	0.59	130
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	20	130.29	0.14	130
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	20	130.28	0.3	130
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	20	130.27	0.58	130
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	20	130.26	0.27	130
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	20	130.26	0.51	130
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	20	130.24	0.19	130
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	20	130.24	0.53	130
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	20	130.23	0.36	130
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	20	130.22	0.52	130
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	20	130.22	0.06	130
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	20	130.2	0.07	130
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	20	130.18	0.27	130
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	20	130.15	0.32	130
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	20	130.14	0.18	130
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	20	130.14	0.26	130
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	20	130.13	0.35	130
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	20	130.12	0.34	129
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	20	130.1	0.08	130
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	20	130.07	0.31	129
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	20	130.07	0.06	130
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	20	130.06	0.18	130
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	20	130.03	0.8	130

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Mea
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	20	130.03	0.31	129
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	20	130.01	0.16	130
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	20	129.99	0.13	129
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	20	129.98	0.12	129
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	20	129.97	0.09	129
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	20	129.97	0.08	129
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	20	129.95	0.18	129
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	20	129.95	0.35	129
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	20	129.94	0.52	129
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	20	129.94	0.36	129
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	20	129.93	0.45	129
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	20	129.93	0.17	129
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	20	129.93	0.06	129
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	20	129.9	0.24	129
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	20	129.9	0.25	129
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	20	129.86	0.34	129
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	20	129.85	0.21	129
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	20	129.85	0.49	129
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	20	129.83	0.17	129
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	20	129.82	0.06	129
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	20	129.79	0.21	129
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	20	129.79	0.53	129
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	20	129.75	0.15	129
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	20	129.71	0.49	129
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	20	129.7	0.23	129
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	20	129.64	0.11	129
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	20	129.59	0.41	129
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	20	129.54	0.35	129
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	20	129.53	0.21	129
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	20	129.22	0.38	129
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	20	129.0	0.36	128
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	20	128.77	0.07	128
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	20	7.0	0.71	6.9
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	20	7.0	0.71	6.9
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	20	6.42	2.55	6.6
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	20	6.42	2.55	6.6
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	20	2.51	0.59	2.6
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	19	1.96	0.5	1.8
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	19	1.46	0.27	1.4
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	15	1.68	0.2	1.6
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	13	1.62	0.48	1.5
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	13	1.37	0.32	1.3
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	10	13.13	2.59	12.9
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	10	13.13	2.59	12.9
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	8	2.12	0.43	2.1
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	8	1.29	0.18	1.2
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	6	2.3	0.55	2.3
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	5	1.29	0.23	1.2
(1,683)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	4	2.46	1.2	2.3
(2,96)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	4	2.46	1.2	2.3
(1,773)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	3	5.48	3.84	5.6

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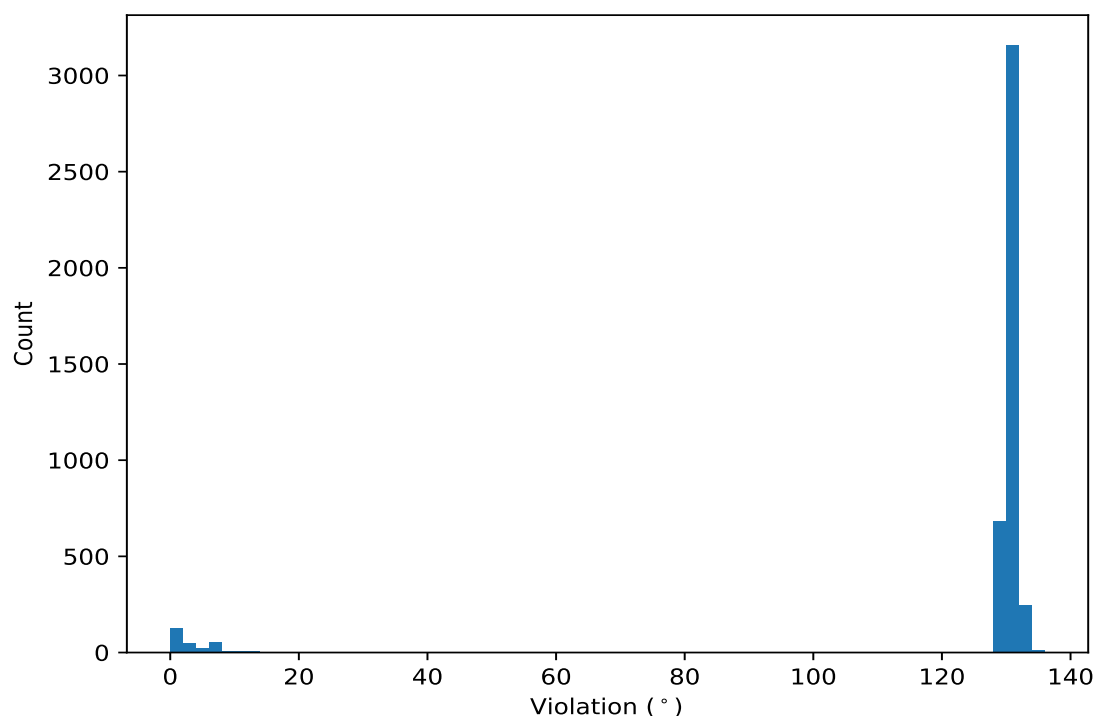
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Med
(2,181)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	3	5.48	3.84	5.0
(1,463)	1:46:A:GLY:CA	1:46:A:GLY:N	1:45:A:LEU:C	1:45:A:LEU:CA	3	2.77	0.66	2.4
(1,445)	1:28:A:GLU:CA	1:28:A:GLU:N	1:27:A:SER:C	1:27:A:SER:CA	3	1.55	0.67	1.3
(1,539)	2:122:B:ASP:CA	2:122:B:ASP:N	2:121:B:GLN:C	2:121:B:GLN:CA	3	1.38	0.24	1.3
(1,531)	2:114:B:GLU:CA	2:114:B:GLU:N	2:113:B:ILE:C	2:113:B:ILE:CA	3	1.16	0.17	1.0
(1,579)	2:162:B:ARG:CA	2:162:B:ARG:N	2:161:B:LEU:C	2:161:B:LEU:CA	2	1.41	0.13	1.4
(1,460)	1:43:A:GLU:CA	1:43:A:GLU:N	1:42:A:ARG:C	1:42:A:ARG:CA	2	1.29	0.1	1.2
(1,509)	2:92:B:GLN:CA	2:92:B:GLN:N	2:91:B:MET:C	2:91:B:MET:CA	2	1.25	0.02	1.2
(1,528)	2:111:B:ASP:CA	2:111:B:ASP:N	2:110:B:SER:C	2:110:B:SER:CA	2	1.15	0.05	1.1

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

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

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

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



10.5.2 Table: All violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	5	134.25
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	16	134.21
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	4	134.14
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	6	134.14
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	7	134.14
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	9	134.12
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	15	134.1
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	11	134.09
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	20	134.09
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	3	134.02
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	10	134.01
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	17	134.01
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	19	133.99
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	8	133.97
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	13	133.97
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	12	133.95
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	4	133.9
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	13	133.86
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	14	133.84
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	18	133.77
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	1	133.65
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	9	133.62
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	17	133.62
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	2	133.61
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	4	133.61
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	7	133.61
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	10	133.61
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	20	133.6
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	11	133.59
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	19	133.59
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	6	133.58
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	1	133.57
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	8	133.57
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	15	133.56
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	15	133.55
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	14	133.54
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	12	133.53
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	3	133.51
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	16	133.51
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	5	133.48
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	13	133.48
(1,311)	2:127:B:PRO:CA	2:127:B:PRO:CG	2:127:B:PRO:HB3	2:127:B:PRO:HB2	18	133.47
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	1	133.47
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	18	133.47
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	7	133.47
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	17	133.47
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	2	133.46
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	14	133.46
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	16	133.46
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	11	133.39
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	20	133.39
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	5	133.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	12	133.37
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	10	133.37
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	8	133.36
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	10	133.36
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	3	133.35
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	19	133.34
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	2	133.33
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	1	133.33
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	5	133.33
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	18	133.32
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	6	133.31
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	15	133.31
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	18	133.31
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	2	133.3
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	12	133.29
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	3	133.28
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	9	133.28
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	7	133.27
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	16	133.26
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	16	133.26
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	17	133.26
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	19	133.26
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	5	133.25
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	7	133.25
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	14	133.25
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	1	133.23
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	2	133.23
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	2	133.23
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	4	133.23
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	6	133.22
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	7	133.22
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	19	133.22
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	9	133.22
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	8	133.22
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	11	133.22
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	8	133.2
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	20	133.2
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	12	133.19
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	13	133.19
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	2	133.18
(1,114)	1:50:A:PRO:CA	1:50:A:PRO:CG	1:50:A:PRO:HB3	1:50:A:PRO:HB2	13	133.18
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	4	133.17
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	20	133.17
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	15	133.16
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	14	133.15
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	17	133.15
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	3	133.15
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	6	133.15
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	11	133.13
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	9	133.1
(1,315)	2:128:B:PRO:CA	2:128:B:PRO:CG	2:128:B:PRO:HB3	2:128:B:PRO:HB2	10	133.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	9	133.03
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	9	133.0
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	13	132.99
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	4	132.97
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	8	132.97
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	3	132.96
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	17	132.96
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	6	132.95
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	11	132.95
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	15	132.95
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	20	132.95
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	5	132.93
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	7	132.93
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	10	132.93
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	19	132.92
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	16	132.91
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	8	132.81
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	20	132.75
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	3	132.73
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	5	132.72
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	6	132.7
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	10	132.61
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	2	132.59
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	18	132.59
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	6	132.57
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	10	132.56
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	3	132.55
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	9	132.54
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	16	132.54
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	4	132.51
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	12	132.51
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	20	132.51
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	6	132.47
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	2	132.46
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	15	132.44
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	3	132.44
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	18	132.43
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	12	132.41
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	20	132.41
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	3	132.4
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	12	132.4
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	7	132.39
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	7	132.39
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	17	132.39
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	18	132.38
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	18	132.38
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	5	132.38
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	1	132.37
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	4	132.37
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	16	132.36
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	17	132.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	14	132.36
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	19	132.35
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	17	132.35
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	17	132.35
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	9	132.34
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	11	132.34
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	1	132.34
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	8	132.34
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	2	132.33
(1,191)	1:80:A:PRO:CA	1:80:A:PRO:CG	1:80:A:PRO:HB3	1:80:A:PRO:HB2	9	132.33
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	14	132.32
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	11	132.32
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	7	132.31
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	15	132.31
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	16	132.3
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	4	132.29
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	1	132.28
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	6	132.27
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	5	132.25
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	5	132.24
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	12	132.24
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	13	132.23
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	14	132.23
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	4	132.23
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	5	132.23
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	6	132.23
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	7	132.23
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	17	132.23
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	5	132.23
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	17	132.23
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	13	132.22
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	15	132.22
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	10	132.22
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	13	132.22
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	16	132.22
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	19	132.22
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	4	132.22
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	8	132.21
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	15	132.21
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	14	132.2
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	14	132.2
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	11	132.19
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	15	132.19
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	17	132.18
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	5	132.18
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	15	132.18
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	13	132.18
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	18	132.18
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	6	132.17
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	15	132.17
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	3	132.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	20	132.16
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	2	132.15
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	3	132.15
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	16	132.15
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	19	132.15
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	9	132.14
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	8	132.14
(1,260)	2:109:B:PRO:CA	2:109:B:PRO:CG	2:109:B:PRO:HB3	2:109:B:PRO:HB2	9	132.14
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	8	132.14
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	16	132.14
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	19	132.13
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	1	132.13
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	10	132.13
(1,192)	1:80:A:PRO:CB	1:80:A:PRO:CD	1:80:A:PRO:HG3	1:80:A:PRO:HG2	11	132.13
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	7	132.12
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	8	132.12
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	1	132.12
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	18	132.11
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	6	132.11
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	10	132.1
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	8	132.1
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	10	132.1
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	16	132.1
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	19	132.09
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	9	132.08
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	19	132.08
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	5	132.08
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	16	132.07
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	10	132.07
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	19	132.07
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	3	132.07
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	4	132.07
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	6	132.05
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	15	132.05
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	8	132.05
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	13	132.05
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	14	132.04
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	3	132.04
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	17	132.04
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	4	132.04
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	10	132.03
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	5	132.03
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	11	132.03
(1,193)	1:80:A:PRO:CG	1:80:A:PRO:N	1:80:A:PRO:HD3	1:80:A:PRO:HD2	13	132.03
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	12	132.02
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	10	132.02
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	18	132.01
(1,316)	2:128:B:PRO:CB	2:128:B:PRO:CD	2:128:B:PRO:HG3	2:128:B:PRO:HG2	20	132.01
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	14	132.01
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	20	132.0
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	15	132.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	7	132.0
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	12	132.0
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	1	131.99
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	16	131.99
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	8	131.99
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	19	131.98
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	16	131.98
(1,116)	1:50:A:PRO:CG	1:50:A:PRO:N	1:50:A:PRO:HD3	1:50:A:PRO:HD2	6	131.98
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	7	131.97
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	20	131.97
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	14	131.97
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	12	131.97
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	12	131.96
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	11	131.96
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	7	131.96
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	9	131.96
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	16	131.96
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	13	131.96
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	9	131.95
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	10	131.95
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	16	131.95
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	18	131.94
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	17	131.94
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	10	131.94
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	20	131.94
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	18	131.94
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	2	131.93
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	6	131.93
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	1	131.93
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	14	131.92
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	19	131.92
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	4	131.92
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	7	131.92
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	16	131.92
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	20	131.92
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	13	131.91
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	19	131.91
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	9	131.91
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	7	131.91
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	6	131.91
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	11	131.91
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	19	131.9
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	19	131.9
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	12	131.9
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	19	131.9
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	5	131.9
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	10	131.9
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	12	131.89
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	1	131.89
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	9	131.89
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	10	131.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	14	131.89
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	2	131.88
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	14	131.88
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	4	131.88
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	5	131.88
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	14	131.88
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	9	131.88
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	7	131.88
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	1	131.88
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	1	131.88
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	7	131.88
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	14	131.87
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	3	131.87
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	11	131.87
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	13	131.87
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	11	131.87
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	14	131.87
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	6	131.87
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	17	131.87
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	7	131.87
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	14	131.87
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	16	131.86
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	4	131.86
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	7	131.86
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	13	131.86
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	6	131.86
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	18	131.86
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	11	131.86
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	12	131.86
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	10	131.86
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	19	131.86
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	1	131.85
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	2	131.85
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	11	131.85
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	3	131.85
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	13	131.85
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	19	131.85
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	4	131.84
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	6	131.84
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	20	131.84
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	6	131.84
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	1	131.84
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	12	131.84
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	9	131.84
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	3	131.84
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	6	131.84
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	15	131.83
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	7	131.83
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	4	131.83
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	8	131.83
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	19	131.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	17	131.83
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	19	131.83
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	8	131.83
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	15	131.83
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	18	131.83
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	1	131.82
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	10	131.82
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	11	131.82
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	15	131.82
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	13	131.82
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	1	131.82
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	7	131.82
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	17	131.81
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	14	131.81
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	5	131.81
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	5	131.81
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	15	131.81
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	19	131.81
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	12	131.81
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	4	131.81
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	13	131.81
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	7	131.81
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	6	131.8
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	13	131.8
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	8	131.8
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	17	131.8
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	17	131.8
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	13	131.8
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	5	131.8
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	11	131.8
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	18	131.79
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	5	131.79
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	14	131.79
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	18	131.79
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	12	131.79
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	14	131.79
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	8	131.79
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	17	131.79
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	7	131.78
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	11	131.78
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	13	131.78
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	17	131.78
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	16	131.78
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	17	131.78
(1,313)	2:127:B:PRO:CG	2:127:B:PRO:N	2:127:B:PRO:HD3	2:127:B:PRO:HD2	9	131.77
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	1	131.77
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	15	131.77
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	6	131.77
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	8	131.77
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	11	131.77
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	2	131.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	8	131.77
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	19	131.76
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	12	131.76
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	14	131.76
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	3	131.76
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	9	131.76
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	1	131.76
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	20	131.76
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	5	131.75
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	11	131.75
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	3	131.75
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	15	131.75
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	20	131.75
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	11	131.75
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	12	131.75
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	10	131.75
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	19	131.75
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	1	131.74
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	2	131.74
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	20	131.74
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	13	131.74
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	2	131.74
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	17	131.74
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	1	131.74
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	3	131.74
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	15	131.73
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	10	131.73
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	7	131.73
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	15	131.73
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	4	131.73
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	18	131.73
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	10	131.73
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	16	131.73
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	11	131.73
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	8	131.72
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	13	131.72
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	12	131.72
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	9	131.72
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	17	131.71
(1,317)	2:128:B:PRO:CG	2:128:B:PRO:N	2:128:B:PRO:HD3	2:128:B:PRO:HD2	8	131.71
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	14	131.71
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	18	131.71
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	1	131.71
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	6	131.71
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	5	131.71
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	8	131.71
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	15	131.71
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	3	131.7
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	6	131.7
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	15	131.7
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	20	131.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	7	131.7
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	6	131.7
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	18	131.7
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	6	131.7
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	3	131.7
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	16	131.7
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	4	131.69
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	18	131.69
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	18	131.69
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	14	131.69
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	19	131.69
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	10	131.69
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	17	131.69
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	2	131.69
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	15	131.69
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	3	131.69
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	18	131.69
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	8	131.69
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	12	131.68
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	20	131.68
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	6	131.68
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	9	131.68
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	5	131.68
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	20	131.68
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	9	131.68
(1,261)	2:109:B:PRO:CB	2:109:B:PRO:CD	2:109:B:PRO:HG3	2:109:B:PRO:HG2	18	131.67
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	5	131.67
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	16	131.67
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	4	131.67
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	20	131.67
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	13	131.67
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	17	131.67
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	12	131.67
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	2	131.67
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	8	131.67
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	20	131.66
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	12	131.66
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	12	131.66
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	1	131.66
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	6	131.66
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	11	131.66
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	12	131.66
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	14	131.65
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	3	131.65
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	9	131.65
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	3	131.65
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	8	131.65
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	10	131.65
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	1	131.65
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	13	131.65
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	1	131.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	6	131.64
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	5	131.64
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	9	131.64
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	6	131.64
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	16	131.64
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	3	131.64
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	16	131.64
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	14	131.64
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	7	131.63
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	19	131.63
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	1	131.63
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	16	131.63
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	19	131.63
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	10	131.63
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	7	131.63
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	8	131.63
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	10	131.63
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	17	131.63
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	3	131.63
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	12	131.63
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	4	131.63
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	20	131.63
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	20	131.63
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	17	131.63
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	12	131.62
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	7	131.62
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	15	131.62
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	3	131.62
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	6	131.62
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	16	131.62
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	8	131.62
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	7	131.62
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	2	131.62
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	11	131.62
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	8	131.62
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	2	131.62
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	3	131.62
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	5	131.62
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	18	131.62
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	18	131.62
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	18	131.61
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	9	131.61
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	17	131.61
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	11	131.61
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	9	131.61
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	13	131.61
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	17	131.61
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	2	131.61
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	15	131.61
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	15	131.6
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	10	131.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	16	131.6
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	2	131.6
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	8	131.6
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	12	131.6
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	18	131.6
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	18	131.6
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	13	131.6
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	15	131.59
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	2	131.59
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	8	131.59
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	14	131.59
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	11	131.59
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	8	131.59
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	9	131.59
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	7	131.59
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	20	131.59
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	7	131.59
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	15	131.59
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	11	131.59
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	10	131.59
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	11	131.59
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	12	131.59
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	15	131.59
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	16	131.58
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	4	131.58
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	9	131.58
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	13	131.58
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	11	131.58
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	2	131.58
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	11	131.58
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	18	131.58
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	16	131.58
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	20	131.58
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	10	131.58
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	8	131.58
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	2	131.58
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	2	131.58
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	5	131.57
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	6	131.57
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	11	131.57
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	13	131.57
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	20	131.57
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	13	131.57
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	19	131.57
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	12	131.57
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	7	131.57
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	12	131.57
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	9	131.57
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	3	131.57
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	3	131.57
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	4	131.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	5	131.57
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	16	131.56
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	20	131.56
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	1	131.56
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	3	131.56
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	12	131.56
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	15	131.56
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	10	131.56
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	16	131.56
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	5	131.56
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	16	131.56
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	2	131.56
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	9	131.56
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	15	131.56
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	3	131.56
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	10	131.56
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	11	131.56
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	9	131.55
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	8	131.55
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	20	131.55
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	13	131.55
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	8	131.55
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	6	131.55
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	8	131.55
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	19	131.55
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	4	131.55
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	12	131.55
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	19	131.55
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	2	131.55
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	4	131.55
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	20	131.55
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	2	131.54
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	10	131.54
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	7	131.54
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	4	131.54
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	20	131.54
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	3	131.54
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	20	131.54
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	12	131.54
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	10	131.54
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	14	131.54
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	6	131.54
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	12	131.54
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	4	131.54
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	19	131.53
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	3	131.53
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	9	131.53
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	1	131.53
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	17	131.53
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	5	131.53
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	3	131.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	20	131.53
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	13	131.52
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	11	131.52
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	4	131.52
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	9	131.52
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	8	131.52
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	18	131.52
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	11	131.52
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	5	131.52
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	7	131.52
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	8	131.51
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	20	131.51
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	12	131.51
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	15	131.51
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	7	131.51
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	7	131.51
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	18	131.51
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	3	131.51
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	14	131.51
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	16	131.51
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	10	131.51
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	11	131.51
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	11	131.5
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	4	131.5
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	5	131.5
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	16	131.5
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	7	131.5
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	5	131.5
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	1	131.5
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	17	131.5
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	6	131.5
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	19	131.5
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	16	131.5
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	19	131.5
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	11	131.49
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	19	131.49
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	6	131.49
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	12	131.49
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	4	131.49
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	13	131.49
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	4	131.49
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	14	131.49
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	4	131.49
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	2	131.49
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	4	131.49
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	10	131.49
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	7	131.49
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	5	131.49
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	10	131.48
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	15	131.48
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	9	131.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	16	131.48
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	2	131.48
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	9	131.48
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	19	131.48
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	13	131.48
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	18	131.48
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	11	131.47
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	15	131.47
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	3	131.47
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	2	131.47
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	17	131.47
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	5	131.47
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	19	131.47
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	8	131.46
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	13	131.46
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	8	131.46
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	19	131.46
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	19	131.46
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	7	131.46
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	18	131.46
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	10	131.46
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	5	131.46
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	14	131.46
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	6	131.46
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	10	131.46
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	14	131.46
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	17	131.46
(1,389)	2:155:B:SER:CA	2:155:B:SER:OG	2:155:B:SER:HB3	2:155:B:SER:HB2	2	131.45
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	3	131.45
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	5	131.45
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	1	131.45
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	17	131.45
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	18	131.45
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	2	131.45
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	18	131.45
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	11	131.45
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	10	131.45
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	4	131.45
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	15	131.45
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	3	131.44
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	7	131.44
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	6	131.44
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	7	131.44
(1,286)	2:119:B:LYS:CA	2:119:B:LYS:CG	2:119:B:LYS:HB3	2:119:B:LYS:HB2	20	131.44
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	1	131.44
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	14	131.44
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	18	131.44
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	20	131.44
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	11	131.44
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	18	131.44
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	13	131.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	15	131.44
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	13	131.44
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	1	131.44
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	2	131.44
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	16	131.43
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	4	131.43
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	14	131.43
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	20	131.43
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	1	131.43
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	1	131.43
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	17	131.43
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	5	131.43
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	20	131.43
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	9	131.42
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	5	131.42
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	10	131.42
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	3	131.42
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	17	131.42
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	18	131.42
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	7	131.42
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	2	131.42
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	20	131.42
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	8	131.42
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	8	131.42
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	20	131.42
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	6	131.42
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	13	131.42
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	8	131.42
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	17	131.41
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	17	131.41
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	13	131.41
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	18	131.41
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	10	131.41
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	1	131.41
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	7	131.41
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	5	131.41
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	11	131.41
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	20	131.41
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	15	131.41
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	14	131.41
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	1	131.41
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	2	131.4
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	5	131.4
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	13	131.4
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	18	131.4
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	15	131.4
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	4	131.4
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	1	131.4
(1,203)	2:86:B:SER:CA	2:86:B:SER:OG	2:86:B:SER:HB3	2:86:B:SER:HB2	9	131.4
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	17	131.4
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	13	131.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	14	131.4
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	15	131.4
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	12	131.39
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	4	131.39
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	17	131.39
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	9	131.39
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	10	131.39
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	18	131.39
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	11	131.39
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	18	131.39
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	2	131.39
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	4	131.39
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	12	131.39
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	14	131.39
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	7	131.39
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	15	131.39
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	4	131.39
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	11	131.38
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	3	131.38
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	11	131.38
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	13	131.38
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	17	131.38
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	2	131.38
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	16	131.38
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	15	131.38
(1,264)	2:110:B:SER:CA	2:110:B:SER:OG	2:110:B:SER:HB3	2:110:B:SER:HB2	3	131.38
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	16	131.38
(1,201)	2:85:B:SER:CA	2:85:B:SER:OG	2:85:B:SER:HB3	2:85:B:SER:HB2	12	131.38
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	16	131.38
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	6	131.38
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	3	131.38
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	16	131.38
(1,59)	1:27:A:SER:CA	1:27:A:SER:OG	1:27:A:SER:HB3	1:27:A:SER:HB2	18	131.38
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	8	131.38
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	3	131.38
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	14	131.38
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	14	131.37
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	4	131.37
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	6	131.37
(1,262)	2:109:B:PRO:CG	2:109:B:PRO:N	2:109:B:PRO:HD3	2:109:B:PRO:HD2	12	131.37
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	10	131.37
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	12	131.37
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	20	131.37
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	20	131.37
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	2	131.36
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	18	131.36
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	6	131.36
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	8	131.36
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	19	131.36
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	16	131.36
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	19	131.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	13	131.36
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	17	131.36
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	19	131.36
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	12	131.36
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	17	131.36
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	8	131.36
(1,7)	1:5:A:SER:CA	1:5:A:SER:OG	1:5:A:SER:HB3	1:5:A:SER:HB2	16	131.36
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	7	131.35
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	1	131.35
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	9	131.35
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	12	131.35
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	15	131.35
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	4	131.35
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	6	131.35
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	8	131.35
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	11	131.35
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	15	131.35
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	6	131.35
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	7	131.35
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	15	131.35
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	15	131.35
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	3	131.35
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	18	131.35
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	1	131.35
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	3	131.34
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	4	131.34
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	7	131.34
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	13	131.34
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	3	131.34
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	8	131.34
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	10	131.34
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	12	131.34
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	20	131.34
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	7	131.34
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	15	131.34
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	16	131.34
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	17	131.34
(1,115)	1:50:A:PRO:CB	1:50:A:PRO:CD	1:50:A:PRO:HG3	1:50:A:PRO:HG2	16	131.34
(1,41)	1:20:A:SER:CA	1:20:A:SER:OG	1:20:A:SER:HB3	1:20:A:SER:HB2	2	131.34
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	11	131.33
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	19	131.33
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	17	131.33
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	10	131.33
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	2	131.33
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	1	131.33
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	2	131.33
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	8	131.33
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	13	131.33
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	17	131.33
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	2	131.33
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	4	131.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	7	131.33
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	8	131.33
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	13	131.33
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	1	131.33
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	17	131.33
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	16	131.33
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	9	131.32
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	18	131.32
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	16	131.32
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	11	131.32
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	6	131.32
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	9	131.32
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	14	131.32
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	14	131.32
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	10	131.32
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	14	131.32
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	2	131.32
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	1	131.32
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	5	131.32
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	3	131.32
(1,4)	1:3:A:SER:CA	1:3:A:SER:OG	1:3:A:SER:HB3	1:3:A:SER:HB2	9	131.32
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	15	131.32
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	15	131.31
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	18	131.31
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	3	131.31
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	15	131.31
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	13	131.31
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	12	131.31
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	17	131.31
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	2	131.31
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	7	131.31
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	1	131.31
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	12	131.31
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	3	131.31
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	11	131.31
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	17	131.31
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	8	131.31
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	17	131.3
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	6	131.3
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	18	131.3
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	6	131.3
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	8	131.3
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	11	131.3
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	2	131.3
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	1	131.3
(1,206)	2:88:B:SER:CA	2:88:B:SER:OG	2:88:B:SER:HB3	2:88:B:SER:HB2	4	131.3
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	15	131.3
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	8	131.3
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	9	131.3
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	16	131.3
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	11	131.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	12	131.29
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	7	131.29
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	17	131.29
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	6	131.29
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	7	131.29
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	7	131.29
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	11	131.29
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	5	131.29
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	18	131.29
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	16	131.29
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	11	131.29
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	4	131.29
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	17	131.29
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	19	131.29
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	5	131.28
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	10	131.28
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	20	131.28
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	1	131.28
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	20	131.28
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	3	131.28
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	1	131.28
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	15	131.28
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	9	131.28
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	10	131.28
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	12	131.28
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	20	131.28
(1,197)	1:82:A:SER:CA	1:82:A:SER:OG	1:82:A:SER:HB3	1:82:A:SER:HB2	10	131.28
(1,188)	1:78:A:SER:CA	1:78:A:SER:OG	1:78:A:SER:HB3	1:78:A:SER:HB2	16	131.28
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	14	131.28
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	18	131.28
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	9	131.28
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	19	131.27
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	7	131.27
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	18	131.27
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	10	131.27
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	11	131.27
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	15	131.27
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	20	131.27
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	5	131.27
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	10	131.27
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	18	131.27
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	18	131.27
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	14	131.27
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	14	131.27
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	11	131.27
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	9	131.27
(1,35)	1:17:A:SER:CA	1:17:A:SER:OG	1:17:A:SER:HB3	1:17:A:SER:HB2	7	131.27
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	4	131.26
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	16	131.26
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	3	131.26
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	20	131.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	13	131.26
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	9	131.26
(1,276)	2:115:B:ASN:CA	2:115:B:ASN:CG	2:115:B:ASN:HB3	2:115:B:ASN:HB2	13	131.26
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	11	131.26
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	2	131.26
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	9	131.26
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	10	131.26
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	18	131.26
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	15	131.26
(1,208)	2:89:B:SER:CA	2:89:B:SER:OG	2:89:B:SER:HB3	2:89:B:SER:HB2	5	131.26
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	15	131.26
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	12	131.26
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	15	131.26
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	4	131.26
(1,9)	1:6:A:SER:CA	1:6:A:SER:OG	1:6:A:SER:HB3	1:6:A:SER:HB2	14	131.26
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	18	131.25
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	8	131.25
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	3	131.25
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	20	131.25
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	9	131.25
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	14	131.25
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	5	131.25
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	15	131.25
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	18	131.25
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	18	131.25
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	1	131.25
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	4	131.25
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	1	131.25
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	15	131.25
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	11	131.25
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	1	131.25
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	1	131.25
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	5	131.25
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	6	131.25
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	19	131.25
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	13	131.25
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	2	131.24
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	8	131.24
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	6	131.24
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	9	131.24
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	5	131.24
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	3	131.24
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	19	131.24
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	2	131.24
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	20	131.24
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	20	131.24
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	4	131.24
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	8	131.24
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	15	131.24
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	3	131.24
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	12	131.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:81:A:SER:CA	1:81:A:SER:OG	1:81:A:SER:HB3	1:81:A:SER:HB2	2	131.24
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	15	131.24
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	2	131.24
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	2	131.24
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	10	131.24
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	15	131.24
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	6	131.24
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	20	131.24
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	8	131.23
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	9	131.23
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	17	131.23
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	5	131.23
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	3	131.23
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	3	131.23
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	19	131.23
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	8	131.23
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	4	131.23
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	14	131.23
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	7	131.23
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	20	131.23
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	3	131.23
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	4	131.23
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	18	131.23
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	13	131.22
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	12	131.22
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	4	131.22
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	20	131.22
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	5	131.22
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	12	131.22
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	16	131.22
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	10	131.22
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	9	131.22
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	3	131.22
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	13	131.22
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	2	131.22
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	13	131.22
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	2	131.22
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	18	131.22
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	15	131.21
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	10	131.21
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	15	131.21
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	14	131.21
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	8	131.21
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	14	131.21
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	17	131.21
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	13	131.21
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	18	131.21
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	18	131.21
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	12	131.21
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	10	131.21
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	13	131.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	6	131.21
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	17	131.2
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	20	131.2
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	3	131.2
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	10	131.2
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	18	131.2
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	19	131.2
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	19	131.2
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	1	131.2
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	5	131.2
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	12	131.2
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	10	131.2
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	15	131.2
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	19	131.2
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	14	131.2
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	4	131.2
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	4	131.2
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	13	131.2
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	3	131.2
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	19	131.2
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	1	131.2
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	12	131.19
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	14	131.19
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	1	131.19
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	1	131.19
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	15	131.19
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	14	131.19
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	16	131.19
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	17	131.19
(1,238)	2:101:B:LYS:CB	2:101:B:LYS:CD	2:101:B:LYS:HG3	2:101:B:LYS:HG2	14	131.19
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	1	131.19
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	13	131.19
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	6	131.18
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	2	131.18
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	11	131.18
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	20	131.18
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	9	131.18
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	19	131.18
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	14	131.18
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	16	131.18
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	7	131.18
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	13	131.17
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	14	131.17
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	16	131.17
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	14	131.17
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	9	131.17
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	15	131.17
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	3	131.17
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	13	131.17
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	8	131.17
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	13	131.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	8	131.16
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	6	131.16
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	17	131.16
(1,142)	1:60:A:LYS:CD	1:60:A:LYS:NZ	1:60:A:LYS:HE3	1:60:A:LYS:HE2	4	131.16
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	14	131.16
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	7	131.16
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	13	131.15
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	13	131.15
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	17	131.15
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	17	131.15
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	20	131.15
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	16	131.15
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	10	131.15
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	1	131.15
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	7	131.15
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	9	131.15
(1,2)	1:2:A:SER:CA	1:2:A:SER:OG	1:2:A:SER:HB3	1:2:A:SER:HB2	6	131.15
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	16	131.14
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	19	131.14
(1,398)	2:159:B:LEU:CA	2:159:B:LEU:CG	2:159:B:LEU:HB3	2:159:B:LEU:HB2	14	131.14
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	16	131.14
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	11	131.14
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	2	131.14
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	3	131.14
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	8	131.14
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	10	131.14
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	2	131.14
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	3	131.14
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	2	131.14
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	15	131.13
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	7	131.13
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	9	131.13
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	1	131.13
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	12	131.13
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	4	131.13
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	20	131.13
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	11	131.13
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	14	131.13
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	17	131.13
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	6	131.13
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	5	131.13
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	9	131.12
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	2	131.12
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	6	131.12
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	17	131.12
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	13	131.12
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	7	131.12
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	15	131.12
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	14	131.12
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	11	131.12
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	17	131.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	4	131.12
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	9	131.12
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	15	131.11
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	9	131.11
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	14	131.11
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	17	131.11
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	9	131.11
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	11	131.11
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	6	131.11
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	6	131.11
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	19	131.11
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	16	131.11
(1,37)	1:18:A:SER:CA	1:18:A:SER:OG	1:18:A:SER:HB3	1:18:A:SER:HB2	9	131.11
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	11	131.11
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	10	131.1
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	1	131.1
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	20	131.1
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	2	131.1
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	5	131.1
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	3	131.1
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	14	131.1
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	12	131.1
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	17	131.1
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	11	131.1
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	2	131.1
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	14	131.1
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	5	131.1
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	15	131.1
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	15	131.1
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	8	131.09
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	11	131.09
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	17	131.09
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	3	131.09
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	13	131.09
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	20	131.09
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	8	131.09
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	9	131.09
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	8	131.09
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	15	131.09
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	19	131.09
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	7	131.09
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	19	131.09
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	4	131.09
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	20	131.09
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	18	131.09
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	6	131.08
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	12	131.08
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	2	131.08
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	9	131.08
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	2	131.08
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	13	131.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	9	131.08
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	13	131.08
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	13	131.08
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	7	131.08
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	9	131.08
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	15	131.08
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	14	131.08
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	6	131.08
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	9	131.08
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	19	131.08
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	11	131.08
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	16	131.08
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	14	131.08
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	9	131.08
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	12	131.07
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	17	131.07
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	7	131.07
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	19	131.07
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	18	131.07
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	9	131.07
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	16	131.07
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	9	131.07
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	8	131.07
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	3	131.07
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	1	131.07
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	7	131.07
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	6	131.07
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	17	131.07
(1,145)	1:61:A:HIS:CA	1:61:A:HIS:CG	1:61:A:HIS:HB3	1:61:A:HIS:HB2	3	131.07
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	6	131.06
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	10	131.06
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	10	131.06
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	1	131.06
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	9	131.06
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	15	131.06
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	9	131.06
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	11	131.06
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	8	131.06
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	18	131.06
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	17	131.06
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	14	131.06
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	18	131.06
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	4	131.06
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	4	131.06
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	12	131.06
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	4	131.06
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	3	131.06
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	20	131.06
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	4	131.06
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	12	131.06
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	8	131.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	8	131.05
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	14	131.05
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	14	131.05
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	2	131.05
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	10	131.05
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	15	131.05
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	5	131.05
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	19	131.05
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	11	131.05
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	3	131.05
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	15	131.05
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	2	131.05
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	12	131.05
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	19	131.05
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	5	131.05
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	9	131.05
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	12	131.05
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	7	131.05
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	9	131.05
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	1	131.05
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	16	131.05
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	8	131.04
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	11	131.04
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	18	131.04
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	7	131.04
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	5	131.04
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	10	131.04
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	10	131.04
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	18	131.04
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	3	131.04
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	16	131.04
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	2	131.04
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	9	131.04
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	4	131.04
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	13	131.04
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	9	131.04
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	8	131.04
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	10	131.04
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	15	131.04
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	20	131.04
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	1	131.04
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	1	131.04
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	8	131.04
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	10	131.04
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	16	131.04
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	4	131.03
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	20	131.03
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	3	131.03
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	2	131.03
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	16	131.03
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	10	131.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	7	131.03
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	20	131.03
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	14	131.03
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	19	131.03
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	16	131.03
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	20	131.03
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	1	131.03
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	18	131.03
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	17	131.03
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	15	131.03
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	19	131.03
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	3	131.03
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	5	131.03
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	2	131.03
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	20	131.02
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	18	131.02
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	4	131.02
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	1	131.02
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	5	131.02
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	12	131.02
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	11	131.02
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	15	131.02
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	1	131.02
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	4	131.02
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	3	131.02
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	8	131.02
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	5	131.02
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	13	131.02
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	1	131.02
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	1	131.02
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	17	131.02
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	9	131.02
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	15	131.01
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	8	131.01
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	12	131.01
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	4	131.01
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	7	131.01
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	8	131.01
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	19	131.01
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	19	131.01
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	3	131.01
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	19	131.01
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	13	131.01
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	1	131.01
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	18	131.01
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	6	131.01
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	15	131.01
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	12	131.0
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	19	131.0
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	2	131.0
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	20	131.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	11	131.0
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	3	131.0
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	12	131.0
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	17	131.0
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	6	131.0
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	19	131.0
(1,300)	2:123:B:LYS:CB	2:123:B:LYS:CD	2:123:B:LYS:HG3	2:123:B:LYS:HG2	1	131.0
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	2	131.0
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	7	131.0
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	13	131.0
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	7	131.0
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	15	131.0
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	17	131.0
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	10	131.0
(1,161)	1:67:A:LYS:CA	1:67:A:LYS:CG	1:67:A:LYS:HB3	1:67:A:LYS:HB2	3	131.0
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	5	131.0
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	6	131.0
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	17	131.0
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	15	131.0
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	4	130.99
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	9	130.99
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	20	130.99
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	19	130.99
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	17	130.99
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	11	130.99
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	14	130.99
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	6	130.99
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	14	130.99
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	6	130.99
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	1	130.99
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	6	130.99
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	6	130.99
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	7	130.99
(1,170)	1:70:A:SER:CA	1:70:A:SER:OG	1:70:A:SER:HB3	1:70:A:SER:HB2	2	130.99
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	12	130.99
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	17	130.99
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	19	130.99
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	8	130.99
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	15	130.99
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	3	130.99
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	3	130.99
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	5	130.99
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	9	130.99
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	12	130.99
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	10	130.99
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	8	130.98
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	2	130.98
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	15	130.98
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	5	130.98
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	9	130.98
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	12	130.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	19	130.98
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	11	130.98
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	3	130.98
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	4	130.98
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	9	130.98
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	6	130.98
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	8	130.98
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	14	130.98
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	12	130.98
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	8	130.98
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	7	130.97
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	10	130.97
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	6	130.97
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	8	130.97
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	16	130.97
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	4	130.97
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	3	130.97
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	13	130.97
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	18	130.97
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	17	130.97
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	4	130.97
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	19	130.97
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	7	130.97
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	2	130.97
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	16	130.96
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	2	130.96
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	19	130.96
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	6	130.96
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	16	130.96
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	13	130.96
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	19	130.96
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	16	130.96
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	8	130.96
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	13	130.96
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	2	130.96
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	13	130.96
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	4	130.96
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	17	130.96
(1,135)	1:58:A:ILE:CB	1:58:A:ILE:CD1	1:58:A:ILE:HG13	1:58:A:ILE:HG12	12	130.96
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	5	130.96
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	9	130.96
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	5	130.96
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	9	130.96
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	13	130.95
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	5	130.95
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	4	130.95
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	8	130.95
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	17	130.95
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	15	130.95
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	2	130.95
(1,301)	2:123:B:LYS:CD	2:123:B:LYS:NZ	2:123:B:LYS:HE3	2:123:B:LYS:HE2	11	130.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	13	130.95
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	1	130.95
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	10	130.95
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	1	130.95
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	11	130.95
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	18	130.95
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	8	130.95
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	1	130.95
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	2	130.95
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	8	130.95
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	17	130.95
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	10	130.95
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	11	130.95
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	12	130.95
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	2	130.95
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	1	130.95
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	13	130.95
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	10	130.94
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	11	130.94
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	8	130.94
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	5	130.94
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	13	130.94
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	15	130.94
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	20	130.94
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	8	130.94
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	13	130.94
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	13	130.94
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	18	130.94
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	11	130.94
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	5	130.94
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	8	130.94
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	16	130.94
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	11	130.94
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	3	130.94
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	20	130.94
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	2	130.93
(1,407)	2:162:B:ARG:CB	2:162:B:ARG:CD	2:162:B:ARG:HG3	2:162:B:ARG:HG2	11	130.93
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	10	130.93
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	8	130.93
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	16	130.93
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	4	130.93
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	19	130.93
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	1	130.93
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	3	130.93
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	11	130.93
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	20	130.93
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	8	130.93
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	10	130.93
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	8	130.93
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	19	130.93
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	12	130.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	19	130.93
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	4	130.92
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	9	130.92
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	19	130.92
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	6	130.92
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	14	130.92
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	10	130.92
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	12	130.92
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	5	130.92
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	5	130.92
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	14	130.92
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	2	130.92
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	20	130.92
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	14	130.92
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	18	130.92
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	13	130.92
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	19	130.92
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	7	130.92
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	20	130.92
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	1	130.91
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	7	130.91
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	7	130.91
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	5	130.91
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	7	130.91
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	16	130.91
(1,367)	2:147:B:SER:CA	2:147:B:SER:OG	2:147:B:SER:HB3	2:147:B:SER:HB2	12	130.91
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	4	130.91
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	15	130.91
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	6	130.91
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	1	130.91
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	20	130.91
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	15	130.91
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	2	130.9
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	6	130.9
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	4	130.9
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	11	130.9
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	13	130.9
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	1	130.9
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	14	130.9
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	3	130.9
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	5	130.9
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	6	130.9
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	8	130.9
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	15	130.9
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	6	130.89
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	19	130.89
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	12	130.89
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	19	130.89
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	2	130.89
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	12	130.89
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	2	130.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	5	130.89
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	8	130.89
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	9	130.89
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	4	130.89
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	17	130.89
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	19	130.89
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	5	130.89
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	1	130.88
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	18	130.88
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	5	130.88
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	8	130.88
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	14	130.88
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	8	130.88
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	15	130.88
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	4	130.88
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	4	130.88
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	8	130.88
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	4	130.88
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	6	130.88
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	12	130.88
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	8	130.88
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	12	130.88
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	17	130.88
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	19	130.88
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	7	130.88
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	20	130.88
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	17	130.88
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	5	130.88
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	7	130.88
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	3	130.88
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	17	130.88
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	20	130.87
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	12	130.87
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	5	130.87
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	2	130.87
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	9	130.87
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	19	130.87
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	4	130.87
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	6	130.87
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	11	130.87
(1,360)	2:144:B:ARG:CG	2:144:B:ARG:NE	2:144:B:ARG:HD3	2:144:B:ARG:HD2	20	130.86
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	2	130.86
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	4	130.86
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	10	130.86
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	11	130.86
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	8	130.86
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	5	130.86
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	11	130.86
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	12	130.86
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	16	130.86
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	18	130.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	16	130.86
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	13	130.86
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	18	130.86
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	15	130.86
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	10	130.86
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	11	130.86
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	15	130.85
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	16	130.85
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	5	130.85
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	3	130.85
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	17	130.85
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	2	130.85
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	16	130.85
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	8	130.85
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	18	130.85
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	1	130.85
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	2	130.85
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	18	130.85
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	9	130.85
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	18	130.85
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	1	130.85
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	16	130.85
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	13	130.85
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	12	130.85
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	2	130.85
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	4	130.85
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	6	130.85
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	5	130.84
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	5	130.84
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	16	130.84
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	7	130.84
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	1	130.84
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	2	130.84
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	18	130.84
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	15	130.84
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	5	130.84
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	19	130.84
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	8	130.84
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	14	130.84
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	2	130.84
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	13	130.84
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	5	130.84
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	13	130.84
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	4	130.84
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	11	130.84
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	5	130.84
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	8	130.83
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	3	130.83
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	3	130.83
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	1	130.83
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	20	130.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	8	130.83
(1,252)	2:106:B:GLU:CA	2:106:B:GLU:CG	2:106:B:GLU:HB3	2:106:B:GLU:HB2	10	130.83
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	9	130.83
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	10	130.83
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	10	130.83
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	9	130.83
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	9	130.83
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	2	130.83
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	17	130.83
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	8	130.83
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	10	130.83
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	14	130.83
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	3	130.83
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	9	130.83
(1,396)	2:158:B:HIS:CA	2:158:B:HIS:CG	2:158:B:HIS:HB3	2:158:B:HIS:HB2	15	130.82
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	14	130.82
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	10	130.82
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	5	130.82
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	11	130.82
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	11	130.82
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	16	130.82
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	10	130.82
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	20	130.82
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	4	130.82
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	20	130.82
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	10	130.82
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	6	130.82
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	1	130.81
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	3	130.81
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	1	130.81
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	13	130.81
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	16	130.81
(1,282)	2:117:B:LYS:CD	2:117:B:LYS:NZ	2:117:B:LYS:HE3	2:117:B:LYS:HE2	9	130.81
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	9	130.81
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	16	130.81
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	6	130.81
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	15	130.81
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	17	130.81
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	9	130.81
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	11	130.81
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	2	130.81
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	4	130.8
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	17	130.8
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	1	130.8
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	11	130.8
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	14	130.8
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	6	130.8
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	7	130.8
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	9	130.8
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	16	130.8
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	14	130.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	15	130.8
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	14	130.8
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	4	130.8
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	20	130.8
(1,140)	1:60:A:LYS:CA	1:60:A:LYS:CG	1:60:A:LYS:HB3	1:60:A:LYS:HB2	12	130.8
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	15	130.8
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	14	130.8
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	16	130.8
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	5	130.8
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	14	130.8
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	17	130.8
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	8	130.8
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	16	130.8
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	1	130.79
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	6	130.79
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	16	130.79
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	5	130.79
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	12	130.79
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	4	130.79
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	6	130.79
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	20	130.79
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	4	130.79
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	12	130.79
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	16	130.79
(1,343)	2:138:B:LYS:CD	2:138:B:LYS:NZ	2:138:B:LYS:HE3	2:138:B:LYS:HE2	18	130.79
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	1	130.79
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	7	130.79
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	9	130.79
(1,283)	2:117:B:LYS:CG	2:117:B:LYS:CE	2:117:B:LYS:HD3	2:117:B:LYS:HD2	6	130.79
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	12	130.79
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	18	130.79
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	13	130.79
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	7	130.79
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	4	130.79
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	5	130.79
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	2	130.79
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	4	130.79
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	1	130.79
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	2	130.79
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	8	130.79
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	16	130.79
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	14	130.79
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	4	130.79
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	16	130.79
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	12	130.79
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	14	130.79
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	10	130.79
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	19	130.78
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	4	130.78
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	10	130.78
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	14	130.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	2	130.78
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	10	130.78
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	1	130.78
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	7	130.78
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	17	130.78
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	19	130.78
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	6	130.78
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	16	130.78
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	6	130.78
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	12	130.78
(1,149)	1:62:A:LYS:CD	1:62:A:LYS:NZ	1:62:A:LYS:HE3	1:62:A:LYS:HE2	3	130.78
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	20	130.78
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	1	130.78
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	6	130.78
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	4	130.78
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	18	130.78
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	14	130.78
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	20	130.77
(1,383)	2:153:B:LYS:CD	2:153:B:LYS:NZ	2:153:B:LYS:HE3	2:153:B:LYS:HE2	15	130.77
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	5	130.77
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	9	130.77
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	9	130.77
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	2	130.77
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	20	130.77
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	14	130.77
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	20	130.77
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	14	130.77
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	1	130.77
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	9	130.77
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	3	130.77
(1,93)	1:41:A:MET:CA	1:41:A:MET:CG	1:41:A:MET:HB3	1:41:A:MET:HB2	8	130.77
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	5	130.77
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	18	130.77
(1,82)	1:36:A:SER:CA	1:36:A:SER:OG	1:36:A:SER:HB3	1:36:A:SER:HB2	4	130.77
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	10	130.77
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	16	130.77
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	10	130.77
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	14	130.77
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	9	130.76
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	18	130.76
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	20	130.76
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	3	130.76
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	2	130.76
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	10	130.76
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	8	130.76
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	20	130.76
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	19	130.75
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	9	130.75
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	5	130.75
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	18	130.75
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	8	130.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	6	130.75
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	7	130.75
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	19	130.75
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	13	130.75
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	12	130.75
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	18	130.75
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	16	130.75
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	14	130.75
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	14	130.75
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	7	130.75
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	10	130.75
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	14	130.75
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	1	130.75
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	4	130.75
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	14	130.74
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	15	130.74
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	19	130.74
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	7	130.74
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	13	130.74
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	13	130.74
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	1	130.74
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	8	130.74
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	13	130.74
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	9	130.74
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	5	130.74
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	6	130.74
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	5	130.74
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	11	130.74
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	7	130.74
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	16	130.74
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	18	130.74
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	6	130.74
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	13	130.74
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	10	130.74
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	16	130.74
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	13	130.73
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	15	130.73
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	11	130.73
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	15	130.73
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	12	130.73
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	11	130.73
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	14	130.73
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	10	130.73
(1,292)	2:120:B:ILE:CB	2:120:B:ILE:CD1	2:120:B:ILE:HG13	2:120:B:ILE:HG12	18	130.73
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	9	130.73
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	9	130.73
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	13	130.73
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	10	130.73
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	2	130.73
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	14	130.73
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	19	130.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	2	130.73
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	17	130.72
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	12	130.72
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	6	130.72
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	16	130.72
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	19	130.72
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	10	130.72
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	17	130.72
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	4	130.72
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	2	130.72
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	11	130.72
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	18	130.72
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	6	130.72
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	7	130.72
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	3	130.72
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	11	130.72
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	13	130.72
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	17	130.72
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	4	130.71
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	6	130.71
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	16	130.71
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	5	130.71
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	16	130.71
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	13	130.71
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	15	130.71
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	11	130.71
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	2	130.71
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	11	130.71
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	16	130.71
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	4	130.71
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	7	130.71
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	17	130.71
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	6	130.71
(1,239)	2:101:B:LYS:CD	2:101:B:LYS:NZ	2:101:B:LYS:HE3	2:101:B:LYS:HE2	19	130.71
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	4	130.71
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	6	130.71
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	19	130.71
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	20	130.71
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	17	130.71
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	2	130.71
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	5	130.71
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	17	130.71
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	18	130.71
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	2	130.71
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	12	130.71
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	17	130.71
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	20	130.7
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	17	130.7
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	1	130.7
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	20	130.7
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	5	130.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	12	130.7
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	10	130.7
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	6	130.7
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	13	130.7
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	12	130.7
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	3	130.7
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	10	130.7
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	20	130.7
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	5	130.7
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	13	130.7
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	15	130.7
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	17	130.7
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	8	130.7
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	6	130.7
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	14	130.7
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	5	130.69
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	20	130.69
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	2	130.69
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	8	130.69
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	14	130.69
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	1	130.69
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	9	130.69
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	10	130.69
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	10	130.69
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	14	130.69
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	6	130.69
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	17	130.69
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	16	130.69
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	9	130.69
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	19	130.69
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	14	130.69
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	8	130.69
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	10	130.69
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	1	130.68
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	7	130.68
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	18	130.68
(1,346)	2:139:B:GLN:CA	2:139:B:GLN:CG	2:139:B:GLN:HB3	2:139:B:GLN:HB2	11	130.68
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	17	130.68
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	2	130.68
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	15	130.68
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	6	130.68
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	16	130.68
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	7	130.68
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	2	130.68
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	15	130.68
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	19	130.68
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	8	130.68
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	4	130.68
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	1	130.68
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	9	130.68
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	13	130.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	19	130.68
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	20	130.68
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	2	130.68
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	12	130.68
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	3	130.68
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	4	130.68
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	15	130.67
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	13	130.67
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	18	130.67
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	15	130.67
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	1	130.67
(1,312)	2:127:B:PRO:CB	2:127:B:PRO:CD	2:127:B:PRO:HG3	2:127:B:PRO:HG2	4	130.67
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	15	130.67
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	18	130.67
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	7	130.67
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	17	130.67
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	11	130.67
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	16	130.67
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	16	130.67
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	3	130.67
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	4	130.67
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	12	130.67
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	1	130.67
(1,30)	1:15:A:ARG:CG	1:15:A:ARG:NE	1:15:A:ARG:HD3	1:15:A:ARG:HD2	7	130.67
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	3	130.66
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	6	130.66
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	12	130.66
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	6	130.66
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	5	130.66
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	12	130.66
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	1	130.66
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	5	130.66
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	19	130.66
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	11	130.66
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	15	130.66
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	11	130.66
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	6	130.66
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	5	130.66
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	4	130.65
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	14	130.65
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	4	130.65
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	10	130.65
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	5	130.65
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	16	130.65
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	8	130.65
(1,335)	2:134:B:ILE:CB	2:134:B:ILE:CD1	2:134:B:ILE:HG13	2:134:B:ILE:HG12	9	130.65
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	8	130.65
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	2	130.65
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	10	130.65
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	5	130.65
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	13	130.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	2	130.65
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	19	130.65
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	7	130.65
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	11	130.65
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	19	130.65
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	5	130.65
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	12	130.65
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	13	130.65
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	17	130.64
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	1	130.64
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	3	130.64
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	20	130.64
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	3	130.64
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	4	130.64
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	7	130.64
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	20	130.64
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	1	130.64
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	11	130.64
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	14	130.64
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	7	130.64
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	6	130.64
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	3	130.64
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	14	130.64
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	5	130.64
(1,415)	2:164:B:ARG:CG	2:164:B:ARG:NE	2:164:B:ARG:HD3	2:164:B:ARG:HD2	15	130.63
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	16	130.63
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	12	130.63
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	3	130.63
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	15	130.63
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	20	130.63
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	18	130.63
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	11	130.63
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	19	130.63
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	5	130.63
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	15	130.63
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	10	130.63
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	6	130.63
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	7	130.63
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	11	130.63
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	4	130.63
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	19	130.63
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	20	130.63
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	16	130.63
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	19	130.63
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	2	130.63
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	3	130.62
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	7	130.62
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	18	130.62
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	18	130.62
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	18	130.62
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	13	130.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	3	130.62
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	20	130.62
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	20	130.62
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	5	130.62
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	15	130.62
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	16	130.62
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	17	130.62
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	10	130.62
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	20	130.62
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	7	130.62
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	13	130.62
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	17	130.62
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	20	130.62
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	9	130.62
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	12	130.62
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	15	130.62
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	16	130.61
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	8	130.61
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	9	130.61
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	18	130.61
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	20	130.61
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	12	130.61
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	17	130.61
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	19	130.61
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	3	130.61
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	1	130.61
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	13	130.61
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	14	130.61
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	3	130.61
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	5	130.61
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	6	130.61
(1,152)	1:63:A:PHE:CA	1:63:A:PHE:CG	1:63:A:PHE:HB3	1:63:A:PHE:HB2	20	130.61
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	8	130.61
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	1	130.61
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	5	130.61
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	11	130.61
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	13	130.61
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	20	130.61
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	18	130.6
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	20	130.6
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	14	130.6
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	16	130.6
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	17	130.6
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	5	130.6
(1,257)	2:108:B:GLU:CA	2:108:B:GLU:CG	2:108:B:GLU:HB3	2:108:B:GLU:HB2	18	130.6
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	2	130.6
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	16	130.6
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	5	130.6
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	1	130.6
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	12	130.6
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	5	130.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	6	130.6
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	13	130.6
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	14	130.6
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	10	130.6
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	2	130.59
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	3	130.59
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	19	130.59
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	19	130.59
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	5	130.59
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	20	130.59
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	8	130.59
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	9	130.59
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	11	130.59
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	16	130.59
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	18	130.59
(1,299)	2:123:B:LYS:CA	2:123:B:LYS:CG	2:123:B:LYS:HB3	2:123:B:LYS:HB2	19	130.59
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	9	130.59
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	7	130.59
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	19	130.59
(1,271)	2:113:B:ILE:CB	2:113:B:ILE:CD1	2:113:B:ILE:HG13	2:113:B:ILE:HG12	10	130.59
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	18	130.59
(1,227)	2:96:B:LYS:CG	2:96:B:LYS:CE	2:96:B:LYS:HD3	2:96:B:LYS:HD2	7	130.59
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	1	130.59
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	6	130.59
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	6	130.59
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	7	130.59
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	11	130.59
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	17	130.59
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	16	130.59
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	12	130.59
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	2	130.59
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	3	130.59
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	11	130.59
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	3	130.58
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	18	130.58
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	19	130.58
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	13	130.58
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	12	130.58
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	2	130.58
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	20	130.58
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	12	130.58
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	18	130.58
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	14	130.58
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	8	130.58
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	9	130.58
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	11	130.58
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	18	130.58
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	19	130.58
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	13	130.58
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	6	130.58
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	20	130.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	12	130.58
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	17	130.58
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	16	130.58
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	15	130.58
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	5	130.57
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	17	130.57
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	6	130.57
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	14	130.57
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	8	130.57
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	2	130.57
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	10	130.57
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	15	130.57
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	17	130.57
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	19	130.57
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	7	130.57
(1,281)	2:117:B:LYS:CB	2:117:B:LYS:CD	2:117:B:LYS:HG3	2:117:B:LYS:HG2	2	130.57
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	2	130.57
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	1	130.57
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	3	130.57
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	9	130.57
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	5	130.57
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	16	130.57
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	3	130.57
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	2	130.57
(1,75)	1:33:A:ARG:CG	1:33:A:ARG:NE	1:33:A:ARG:HD3	1:33:A:ARG:HD2	15	130.57
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	8	130.57
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	4	130.57
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	8	130.57
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	6	130.56
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	19	130.56
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	7	130.56
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	14	130.56
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	13	130.56
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	4	130.56
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	17	130.56
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	1	130.56
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	18	130.56
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	2	130.56
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	8	130.56
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	13	130.56
(1,69)	1:31:A:GLN:CA	1:31:A:GLN:CG	1:31:A:GLN:HB3	1:31:A:GLN:HB2	15	130.56
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	9	130.56
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	14	130.56
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	13	130.56
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	1	130.56
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	16	130.55
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	9	130.55
(1,386)	2:154:B:GLU:CA	2:154:B:GLU:CG	2:154:B:GLU:HB3	2:154:B:GLU:HB2	7	130.55
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	13	130.55
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	5	130.55
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	3	130.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	12	130.55
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	18	130.55
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	3	130.55
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	4	130.55
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	16	130.55
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	16	130.55
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	4	130.55
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	16	130.55
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	4	130.55
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	7	130.55
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	19	130.55
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	2	130.55
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	6	130.55
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	5	130.55
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	2	130.55
(1,347)	2:139:B:GLN:CB	2:139:B:GLN:CD	2:139:B:GLN:HG3	2:139:B:GLN:HG2	10	130.54
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	17	130.54
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	18	130.54
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	3	130.54
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	5	130.54
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	8	130.54
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	11	130.54
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	15	130.54
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	2	130.54
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	1	130.54
(1,240)	2:101:B:LYS:CG	2:101:B:LYS:CE	2:101:B:LYS:HD3	2:101:B:LYS:HD2	16	130.54
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	3	130.54
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	20	130.54
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	3	130.54
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	9	130.54
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	4	130.54
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	19	130.54
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	4	130.54
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	12	130.53
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	4	130.53
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	12	130.53
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	3	130.53
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	6	130.53
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	7	130.53
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	12	130.53
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	8	130.53
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	10	130.53
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	15	130.53
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	17	130.53
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	14	130.53
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	6	130.53
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	14	130.53
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	5	130.53
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	15	130.53
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	3	130.53
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	10	130.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	10	130.53
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	8	130.53
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	13	130.53
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	12	130.53
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	1	130.53
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	17	130.53
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	9	130.53
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	1	130.53
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	4	130.52
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	13	130.52
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	14	130.52
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	20	130.52
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	20	130.52
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	2	130.52
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	6	130.52
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	1	130.52
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	8	130.52
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	15	130.52
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	12	130.52
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	17	130.52
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	10	130.52
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	4	130.52
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	18	130.52
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	8	130.52
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	16	130.52
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	3	130.52
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	20	130.51
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	9	130.51
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	8	130.51
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	14	130.51
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	9	130.51
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	11	130.51
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	1	130.51
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	18	130.51
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	1	130.51
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	13	130.51
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	8	130.51
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	17	130.51
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	5	130.51
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	7	130.51
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	19	130.51
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	1	130.51
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	7	130.51
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	15	130.51
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	14	130.51
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	14	130.51
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	19	130.51
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	13	130.51
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	10	130.51
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	16	130.51
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	3	130.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	16	130.51
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	10	130.51
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	15	130.51
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	15	130.5
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	12	130.5
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	9	130.5
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	6	130.5
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	9	130.5
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	2	130.5
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	4	130.5
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	10	130.5
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	15	130.5
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	12	130.5
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	14	130.5
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	7	130.5
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	3	130.5
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	9	130.5
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	10	130.5
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	19	130.5
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	1	130.5
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	1	130.5
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	18	130.5
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	19	130.5
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	10	130.5
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	18	130.5
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	2	130.5
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	18	130.5
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	7	130.5
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	9	130.5
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	19	130.5
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	7	130.49
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	10	130.49
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	19	130.49
(1,309)	2:126:B:ILE:CB	2:126:B:ILE:CD1	2:126:B:ILE:HG13	2:126:B:ILE:HG12	4	130.49
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	7	130.49
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	13	130.49
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	3	130.49
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	20	130.49
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	1	130.49
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	13	130.49
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	18	130.49
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	4	130.49
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	12	130.49
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	20	130.49
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	7	130.49
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	17	130.49
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	6	130.49
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	3	130.49
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	18	130.49
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	16	130.49
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	19	130.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	1	130.48
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	15	130.48
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	2	130.48
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	10	130.48
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	3	130.48
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	10	130.48
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	17	130.48
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	11	130.48
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	13	130.48
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	17	130.48
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	1	130.48
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	18	130.48
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	7	130.48
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	15	130.48
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	12	130.48
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	16	130.48
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	13	130.48
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	12	130.48
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	3	130.48
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	1	130.48
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	20	130.48
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	5	130.48
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	12	130.48
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	7	130.48
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	10	130.48
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	4	130.48
(1,408)	2:162:B:ARG:CG	2:162:B:ARG:NE	2:162:B:ARG:HD3	2:162:B:ARG:HD2	5	130.47
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	5	130.47
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	16	130.47
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	17	130.47
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	6	130.47
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	6	130.47
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	15	130.47
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	14	130.47
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	2	130.47
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	12	130.47
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	16	130.47
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	5	130.47
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	6	130.47
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	1	130.47
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	19	130.47
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	1	130.47
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	15	130.47
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	17	130.47
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	17	130.47
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	7	130.47
(1,49)	1:23:A:ASN:CA	1:23:A:ASN:CG	1:23:A:ASN:HB3	1:23:A:ASN:HB2	13	130.47
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	6	130.47
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	6	130.47
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	13	130.47
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	18	130.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	17	130.46
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	19	130.46
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	15	130.46
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	18	130.46
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	9	130.46
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	19	130.46
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	20	130.46
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	10	130.46
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	7	130.46
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	17	130.46
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	18	130.46
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	6	130.46
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	3	130.46
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	7	130.46
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	16	130.46
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	12	130.46
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	1	130.46
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	15	130.46
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	8	130.45
(1,359)	2:144:B:ARG:CB	2:144:B:ARG:CD	2:144:B:ARG:HG3	2:144:B:ARG:HG2	20	130.45
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	11	130.45
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	7	130.45
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	11	130.45
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	5	130.45
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	10	130.45
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	13	130.45
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	20	130.45
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	11	130.45
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	16	130.45
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	2	130.45
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	7	130.45
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	1	130.45
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	11	130.45
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	12	130.45
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	2	130.44
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	1	130.44
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	5	130.44
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	16	130.44
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	17	130.44
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	8	130.44
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	8	130.44
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	13	130.44
(1,163)	1:67:A:LYS:CD	1:67:A:LYS:NZ	1:67:A:LYS:HE3	1:67:A:LYS:HE2	3	130.44
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	4	130.44
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	4	130.44
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	5	130.44
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	10	130.44
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	1	130.44
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	6	130.44
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	11	130.44
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	7	130.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	10	130.44
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	12	130.44
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	8	130.44
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	12	130.44
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	13	130.44
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	20	130.43
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	1	130.43
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	19	130.43
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	12	130.43
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	3	130.43
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	6	130.43
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	14	130.43
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	14	130.43
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	17	130.43
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	17	130.43
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	5	130.43
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	15	130.43
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	5	130.43
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	16	130.43
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	7	130.43
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	8	130.43
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	16	130.43
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	15	130.43
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	6	130.43
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	18	130.43
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	20	130.42
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	6	130.42
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	20	130.42
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	13	130.42
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	1	130.42
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	5	130.42
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	8	130.42
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	11	130.42
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	1	130.42
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	20	130.42
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	7	130.42
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	11	130.42
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	18	130.42
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	20	130.42
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	12	130.42
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	3	130.42
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	15	130.42
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	3	130.42
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	18	130.41
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	8	130.41
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	18	130.41
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	15	130.41
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	19	130.41
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	4	130.41
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	11	130.41
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	4	130.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	2	130.41
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	2	130.41
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	13	130.41
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	6	130.41
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	14	130.41
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	15	130.41
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	17	130.4
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	6	130.4
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	18	130.4
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	18	130.4
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	17	130.4
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	8	130.4
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	19	130.4
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	17	130.4
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	10	130.4
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	4	130.4
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	19	130.4
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	18	130.4
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	17	130.4
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	6	130.4
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	11	130.4
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	18	130.4
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	11	130.4
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	9	130.4
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	13	130.4
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	4	130.4
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	3	130.39
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	17	130.39
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	19	130.39
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	13	130.39
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	4	130.39
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	5	130.39
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	2	130.39
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	19	130.39
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	7	130.39
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	1	130.39
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	6	130.39
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	8	130.39
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	5	130.39
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	8	130.39
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	4	130.39
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	7	130.39
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	16	130.39
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	14	130.39
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	6	130.39
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	10	130.39
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	1	130.39
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	4	130.39
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	1	130.39
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	15	130.39
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	10	130.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	12	130.38
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	7	130.38
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	3	130.38
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	6	130.38
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	19	130.38
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	6	130.38
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	5	130.38
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	3	130.38
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	19	130.38
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	5	130.38
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	4	130.38
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	19	130.38
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	15	130.38
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	2	130.38
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	8	130.38
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	12	130.38
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	1	130.38
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	19	130.38
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	5	130.38
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	4	130.38
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	17	130.38
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	18	130.38
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	1	130.38
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	4	130.38
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	3	130.38
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	20	130.38
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	19	130.37
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	3	130.37
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	10	130.37
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	20	130.37
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	15	130.37
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	4	130.37
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	4	130.37
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	13	130.37
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	3	130.37
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	18	130.37
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	18	130.37
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	5	130.37
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	6	130.37
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	13	130.37
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	7	130.37
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	1	130.37
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	18	130.37
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	8	130.37
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	17	130.37
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	15	130.37
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	11	130.37
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	5	130.37
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	11	130.37
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	16	130.37
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	2	130.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	10	130.36
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	20	130.36
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	12	130.36
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	16	130.36
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	1	130.36
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	4	130.36
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	5	130.36
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	9	130.36
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	16	130.36
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	9	130.36
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	16	130.36
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	10	130.36
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	14	130.36
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	14	130.36
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	2	130.36
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	12	130.36
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	14	130.36
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	18	130.36
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	8	130.36
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	1	130.36
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	17	130.36
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	4	130.36
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	10	130.36
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	6	130.36
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	8	130.36
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	6	130.36
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	19	130.36
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	2	130.36
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	10	130.35
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	12	130.35
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	6	130.35
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	8	130.35
(1,305)	2:124:B:GLU:CB	2:124:B:GLU:CD	2:124:B:GLU:HG3	2:124:B:GLU:HG2	16	130.35
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	3	130.35
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	13	130.35
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	11	130.35
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	1	130.35
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	3	130.35
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	14	130.35
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	3	130.35
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	20	130.35
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	16	130.35
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	9	130.35
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	14	130.35
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	15	130.35
(1,89)	1:39:A:ASP:CA	1:39:A:ASP:CG	1:39:A:ASP:HB3	1:39:A:ASP:HB2	7	130.35
(1,403)	2:161:B:LEU:CA	2:161:B:LEU:CG	2:161:B:LEU:HB3	2:161:B:LEU:HB2	11	130.34
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	11	130.34
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	13	130.34
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	2	130.34
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	9	130.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	6	130.34
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	3	130.34
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	2	130.34
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	3	130.34
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	7	130.34
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	9	130.34
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	6	130.34
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	12	130.34
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	6	130.34
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	1	130.34
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	8	130.34
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	14	130.33
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	5	130.33
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	18	130.33
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	7	130.33
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	10	130.33
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	19	130.33
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	12	130.33
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	10	130.33
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	18	130.33
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	16	130.33
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	16	130.33
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	7	130.33
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	8	130.33
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	12	130.33
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	6	130.33
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	14	130.33
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	16	130.33
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	16	130.33
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	18	130.33
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	16	130.33
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	15	130.33
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	9	130.32
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	1	130.32
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	9	130.32
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	17	130.32
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	16	130.32
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	4	130.32
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	10	130.32
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	10	130.32
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	13	130.32
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	11	130.32
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	17	130.32
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	19	130.32
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	13	130.32
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	19	130.32
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	18	130.32
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	16	130.32
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	19	130.32
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	6	130.32
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	19	130.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	9	130.32
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	18	130.32
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	19	130.32
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	4	130.32
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	19	130.32
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	2	130.32
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	1	130.32
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	2	130.31
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	9	130.31
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	1	130.31
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	3	130.31
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	14	130.31
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	18	130.31
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	12	130.31
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	19	130.31
(1,329)	2:132:B:ARG:CG	2:132:B:ARG:NE	2:132:B:ARG:HD3	2:132:B:ARG:HD2	17	130.31
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	10	130.31
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	2	130.31
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	12	130.31
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	20	130.31
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	16	130.31
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	10	130.31
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	15	130.31
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	6	130.31
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	10	130.31
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	9	130.31
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	18	130.31
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	8	130.31
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	3	130.31
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	5	130.31
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	1	130.31
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	1	130.31
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	16	130.31
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	15	130.3
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	3	130.3
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	19	130.3
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	8	130.3
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	9	130.3
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	14	130.3
(1,321)	2:130:B:GLN:CA	2:130:B:GLN:CG	2:130:B:GLN:HB3	2:130:B:GLN:HB2	19	130.3
(1,225)	2:96:B:LYS:CB	2:96:B:LYS:CD	2:96:B:LYS:HG3	2:96:B:LYS:HG2	9	130.3
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	9	130.3
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	10	130.3
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	10	130.3
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	3	130.3
(1,147)	1:62:A:LYS:CA	1:62:A:LYS:CG	1:62:A:LYS:HB3	1:62:A:LYS:HB2	13	130.3
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	7	130.3
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	10	130.3
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	13	130.3
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	19	130.3
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	8	130.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	18	130.3
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	3	130.3
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	8	130.3
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	12	130.29
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	17	130.29
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	15	130.29
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	14	130.29
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	11	130.29
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	16	130.29
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	2	130.29
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	11	130.29
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	14	130.29
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	17	130.29
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	8	130.29
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	19	130.29
(1,141)	1:60:A:LYS:CB	1:60:A:LYS:CD	1:60:A:LYS:HG3	1:60:A:LYS:HG2	15	130.29
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	8	130.29
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	17	130.29
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	20	130.29
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	7	130.29
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	9	130.29
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	20	130.29
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	2	130.29
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	17	130.29
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	20	130.29
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	9	130.29
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	17	130.29
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	6	130.29
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	19	130.29
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	16	130.28
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	11	130.28
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	16	130.28
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	5	130.28
(1,337)	2:135:B:PHE:CA	2:135:B:PHE:CG	2:135:B:PHE:HB3	2:135:B:PHE:HB2	17	130.28
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	20	130.28
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	17	130.28
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	20	130.28
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	17	130.28
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	4	130.28
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	4	130.28
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	7	130.28
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	9	130.28
(1,164)	1:67:A:LYS:CG	1:67:A:LYS:CE	1:67:A:LYS:HD3	1:67:A:LYS:HD2	3	130.28
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	14	130.28
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	11	130.28
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	20	130.28
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	3	130.28
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	5	130.28
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	7	130.28
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	17	130.28
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	15	130.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	5	130.28
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	11	130.28
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	7	130.27
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	1	130.27
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	2	130.27
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	7	130.27
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	15	130.27
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	4	130.27
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	12	130.27
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	13	130.27
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	1	130.27
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	13	130.27
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	7	130.27
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	11	130.27
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	13	130.27
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	20	130.27
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	20	130.27
(1,74)	1:33:A:ARG:CB	1:33:A:ARG:CD	1:33:A:ARG:HG3	1:33:A:ARG:HG2	12	130.27
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	11	130.27
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	19	130.27
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	12	130.26
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	7	130.26
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	3	130.26
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	14	130.26
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	12	130.26
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	5	130.26
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	9	130.26
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	12	130.26
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	13	130.26
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	16	130.26
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	12	130.26
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	1	130.26
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	5	130.26
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	12	130.26
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	11	130.26
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	7	130.26
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	9	130.26
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	7	130.26
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	20	130.25
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	8	130.25
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	10	130.25
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	14	130.25
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	7	130.25
(1,341)	2:138:B:LYS:CA	2:138:B:LYS:CG	2:138:B:LYS:HB3	2:138:B:LYS:HB2	19	130.25
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	10	130.25
(1,302)	2:123:B:LYS:CG	2:123:B:LYS:CE	2:123:B:LYS:HD3	2:123:B:LYS:HD2	1	130.25
(1,237)	2:101:B:LYS:CA	2:101:B:LYS:CG	2:101:B:LYS:HB3	2:101:B:LYS:HB2	6	130.25
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	13	130.25
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	13	130.25
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	10	130.25
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	15	130.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	18	130.25
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	6	130.25
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	10	130.25
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	18	130.25
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	10	130.25
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	11	130.24
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	2	130.24
(1,387)	2:154:B:GLU:CB	2:154:B:GLU:CD	2:154:B:GLU:HG3	2:154:B:GLU:HG2	2	130.24
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	2	130.24
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	1	130.24
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	7	130.24
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	4	130.24
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	4	130.24
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	17	130.24
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	9	130.24
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	13	130.24
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	7	130.24
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	11	130.24
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	8	130.23
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	14	130.23
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	14	130.23
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	16	130.23
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	14	130.23
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	8	130.23
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	15	130.23
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	10	130.23
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	9	130.23
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	11	130.23
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	2	130.23
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	4	130.23
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	14	130.23
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	8	130.23
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	14	130.23
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	1	130.23
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	12	130.22
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	19	130.22
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	18	130.22
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	1	130.22
(1,297)	2:122:B:ASP:CA	2:122:B:ASP:CG	2:122:B:ASP:HB3	2:122:B:ASP:HB2	10	130.22
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	4	130.22
(1,266)	2:111:B:ASP:CA	2:111:B:ASP:CG	2:111:B:ASP:HB3	2:111:B:ASP:HB2	19	130.22
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	8	130.22
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	2	130.22
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	17	130.22
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	2	130.22
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	6	130.22
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	11	130.22
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	1	130.22
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	11	130.22
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	6	130.22
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	19	130.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	12	130.22
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	9	130.22
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	4	130.22
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	14	130.22
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	18	130.22
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	5	130.22
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	17	130.22
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	10	130.22
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	5	130.21
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	10	130.21
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	6	130.21
(1,280)	2:117:B:LYS:CA	2:117:B:LYS:CG	2:117:B:LYS:HB3	2:117:B:LYS:HB2	11	130.21
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	5	130.21
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	4	130.21
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	8	130.21
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	15	130.21
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	9	130.21
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	11	130.21
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	5	130.21
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	2	130.21
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	14	130.21
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	5	130.21
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	6	130.21
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	1	130.21
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	18	130.21
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	14	130.2
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	11	130.2
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	11	130.2
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	12	130.2
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	6	130.2
(1,220)	2:94:B:PHE:CA	2:94:B:PHE:CG	2:94:B:PHE:HB3	2:94:B:PHE:HB2	20	130.2
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	14	130.2
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	3	130.2
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	3	130.2
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	4	130.2
(1,51)	1:24:A:HIS:CA	1:24:A:HIS:CG	1:24:A:HIS:HB3	1:24:A:HIS:HB2	18	130.2
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	11	130.2
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	17	130.2
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	7	130.2
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	18	130.19
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	4	130.19
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	13	130.19
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	9	130.19
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	11	130.19
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	3	130.19
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	11	130.19
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	13	130.19
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	11	130.19
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	5	130.19
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	18	130.19
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	10	130.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	7	130.19
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	13	130.19
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	12	130.19
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	8	130.19
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	3	130.19
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	13	130.19
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	11	130.19
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	17	130.19
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	17	130.18
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	13	130.18
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	8	130.18
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	1	130.18
(1,344)	2:138:B:LYS:CG	2:138:B:LYS:CE	2:138:B:LYS:HD3	2:138:B:LYS:HD2	3	130.18
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	20	130.18
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	7	130.18
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	14	130.18
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	14	130.18
(1,218)	2:93:B:ILE:CB	2:93:B:ILE:CD1	2:93:B:ILE:HG13	2:93:B:ILE:HG12	2	130.18
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	11	130.18
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	8	130.18
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	19	130.18
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	10	130.18
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	19	130.18
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	14	130.18
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	20	130.18
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	13	130.18
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	1	130.18
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	3	130.18
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	14	130.18
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	15	130.17
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	13	130.17
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	17	130.17
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	11	130.17
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	17	130.17
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	1	130.17
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	2	130.17
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	16	130.17
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	17	130.17
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	14	130.17
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	16	130.17
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	4	130.17
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	16	130.17
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	8	130.17
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	3	130.17
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	18	130.17
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	12	130.17
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	8	130.17
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	18	130.16
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	18	130.16
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	15	130.16
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	18	130.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	6	130.16
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	3	130.16
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	16	130.16
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	13	130.16
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	2	130.16
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	20	130.16
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	10	130.16
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	14	130.16
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	5	130.16
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	9	130.16
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	7	130.16
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	13	130.16
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	17	130.16
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	7	130.16
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	9	130.16
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	4	130.16
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	5	130.16
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	1	130.16
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	12	130.15
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	1	130.15
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	17	130.15
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	4	130.15
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	8	130.15
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	14	130.15
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	3	130.15
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	6	130.15
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	7	130.15
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	12	130.15
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	17	130.15
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	2	130.15
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	18	130.15
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	10	130.15
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	13	130.15
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	18	130.15
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	2	130.15
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	15	130.15
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	16	130.15
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	6	130.15
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	11	130.14
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	1	130.14
(1,373)	2:150:B:ASN:CA	2:150:B:ASN:CG	2:150:B:ASN:HB3	2:150:B:ASN:HB2	6	130.14
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	5	130.14
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	12	130.14
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	13	130.14
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	12	130.14
(1,328)	2:132:B:ARG:CB	2:132:B:ARG:CD	2:132:B:ARG:HG3	2:132:B:ARG:HG2	12	130.14
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	19	130.14
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	5	130.14
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	5	130.14
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	9	130.14
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	13	130.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	8	130.14
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	6	130.14
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	14	130.14
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	18	130.14
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	13	130.14
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	4	130.14
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	12	130.14
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	8	130.13
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	11	130.13
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	7	130.13
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	8	130.13
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	14	130.13
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	15	130.13
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	14	130.13
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	3	130.13
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	17	130.13
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	1	130.13
(1,249)	2:105:B:LEU:CA	2:105:B:LEU:CG	2:105:B:LEU:HB3	2:105:B:LEU:HB2	2	130.13
(1,226)	2:96:B:LYS:CD	2:96:B:LYS:NZ	2:96:B:LYS:HE3	2:96:B:LYS:HE2	20	130.13
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	17	130.13
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	1	130.13
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	4	130.13
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	16	130.13
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	10	130.13
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	7	130.13
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	8	130.13
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	16	130.13
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	7	130.12
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	1	130.12
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	4	130.12
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	2	130.12
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	11	130.12
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	19	130.12
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	18	130.12
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	11	130.12
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	18	130.12
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	15	130.12
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	15	130.12
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	16	130.12
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	20	130.12
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	4	130.12
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	7	130.12
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	1	130.12
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	8	130.12
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	19	130.11
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	1	130.11
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	13	130.11
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	15	130.11
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	7	130.11
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	18	130.11
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	20	130.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	12	130.11
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	2	130.11
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	8	130.11
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	14	130.11
(1,61)	1:28:A:GLU:CA	1:28:A:GLU:CG	1:28:A:GLU:HB3	1:28:A:GLU:HB2	5	130.11
(1,393)	2:157:B:LEU:CA	2:157:B:LEU:CG	2:157:B:LEU:HB3	2:157:B:LEU:HB2	6	130.1
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	20	130.1
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	4	130.1
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	6	130.1
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	9	130.1
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	10	130.1
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	11	130.1
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	17	130.1
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	12	130.1
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	5	130.1
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	5	130.1
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	18	130.1
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	3	130.1
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	2	130.1
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	13	130.1
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	13	130.1
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	10	130.1
(1,150)	1:62:A:LYS:CG	1:62:A:LYS:CE	1:62:A:LYS:HD3	1:62:A:LYS:HD2	11	130.1
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	18	130.1
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	17	130.1
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	9	130.1
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	12	130.1
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	20	130.09
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	13	130.09
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	18	130.09
(1,353)	2:141:B:GLU:CB	2:141:B:GLU:CD	2:141:B:GLU:HG3	2:141:B:GLU:HG2	13	130.09
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	18	130.09
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	1	130.09
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	16	130.09
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	19	130.09
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	4	130.09
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	20	130.09
(1,273)	2:114:B:GLU:CA	2:114:B:GLU:CG	2:114:B:GLU:HB3	2:114:B:GLU:HB2	20	130.09
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	12	130.09
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	13	130.09
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	6	130.09
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	11	130.09
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	10	130.09
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	17	130.09
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	16	130.09
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	5	130.09
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	4	130.09
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	2	130.09
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	1	130.09
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	3	130.08
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	3	130.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	14	130.08
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	15	130.08
(1,295)	2:121:B:GLN:CB	2:121:B:GLN:CD	2:121:B:GLN:HG3	2:121:B:GLN:HG2	5	130.08
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	7	130.08
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	15	130.08
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	1	130.08
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	11	130.08
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	1	130.08
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	8	130.08
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	16	130.08
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	3	130.08
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	18	130.08
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	7	130.08
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	19	130.08
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	14	130.08
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	1	130.08
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	14	130.08
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	7	130.08
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	5	130.08
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	6	130.08
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	9	130.08
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	8	130.07
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	18	130.07
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	3	130.07
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	6	130.07
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	11	130.07
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	4	130.07
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	10	130.07
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	19	130.07
(1,154)	1:64:A:ASP:CA	1:64:A:ASP:CG	1:64:A:ASP:HB3	1:64:A:ASP:HB2	17	130.07
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	9	130.07
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	9	130.07
(1,73)	1:33:A:ARG:CA	1:33:A:ARG:CG	1:33:A:ARG:HB3	1:33:A:ARG:HB2	15	130.07
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	3	130.07
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	2	130.07
(1,381)	2:153:B:LYS:CA	2:153:B:LYS:CG	2:153:B:LYS:HB3	2:153:B:LYS:HB2	9	130.06
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	16	130.06
(1,371)	2:149:B:TYR:CA	2:149:B:TYR:CG	2:149:B:TYR:HB3	2:149:B:TYR:HB2	5	130.06
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	5	130.06
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	6	130.06
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	20	130.06
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	16	130.06
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	17	130.06
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	16	130.06
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	7	130.06
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	20	130.06
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	13	130.06
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	17	130.06
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	16	130.06
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	20	130.06
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	9	130.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:9:A:TYR:CA	1:9:A:TYR:CG	1:9:A:TYR:HB3	1:9:A:TYR:HB2	17	130.06
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	11	130.05
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	5	130.05
(1,358)	2:144:B:ARG:CA	2:144:B:ARG:CG	2:144:B:ARG:HB3	2:144:B:ARG:HB2	17	130.05
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	4	130.05
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	16	130.05
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	10	130.05
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	2	130.05
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	4	130.05
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	14	130.05
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	6	130.05
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	8	130.05
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	20	130.05
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	6	130.05
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	9	130.05
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	10	130.05
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	2	130.05
(1,91)	1:40:A:HIS:CA	1:40:A:HIS:CG	1:40:A:HIS:HB3	1:40:A:HIS:HB2	4	130.05
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	1	130.05
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	5	130.05
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	19	130.05
(1,70)	1:31:A:GLN:CB	1:31:A:GLN:CD	1:31:A:GLN:HG3	1:31:A:GLN:HG2	3	130.05
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	2	130.05
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	13	130.05
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	13	130.04
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	14	130.04
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	20	130.04
(1,304)	2:124:B:GLU:CA	2:124:B:GLU:CG	2:124:B:GLU:HB3	2:124:B:GLU:HB2	16	130.04
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	1	130.04
(1,224)	2:96:B:LYS:CA	2:96:B:LYS:CG	2:96:B:LYS:HB3	2:96:B:LYS:HB2	5	130.04
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	12	130.04
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	3	130.04
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	2	130.04
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	13	130.04
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	12	130.04
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	3	130.04
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	4	130.03
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	4	130.03
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	20	130.03
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	8	130.03
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	11	130.03
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	12	130.03
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	6	130.03
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	16	130.03
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	18	130.03
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	15	130.03
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	17	130.03
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	1	130.03
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	20	130.03
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	1	130.03
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	17	130.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	14	130.03
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	10	130.03
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	15	130.03
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	7	130.03
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	16	130.02
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	17	130.02
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	16	130.02
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	13	130.02
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	7	130.02
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	2	130.02
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	19	130.02
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	4	130.02
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	7	130.02
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	13	130.02
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	18	130.02
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	5	130.02
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	17	130.02
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	19	130.02
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	7	130.02
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	10	130.01
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	10	130.01
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	6	130.01
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	19	130.01
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	6	130.01
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	12	130.01
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	16	130.01
(1,148)	1:62:A:LYS:CB	1:62:A:LYS:CD	1:62:A:LYS:HG3	1:62:A:LYS:HG2	7	130.01
(1,98)	1:42:A:ARG:CG	1:42:A:ARG:NE	1:42:A:ARG:HD3	1:42:A:ARG:HD2	9	130.01
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	20	130.01
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	4	130.01
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	8	130.01
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	19	130.0
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	19	130.0
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	15	130.0
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	8	130.0
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	9	130.0
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	2	130.0
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	5	130.0
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	5	130.0
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	2	130.0
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	14	130.0
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	14	130.0
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	3	130.0
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	11	130.0
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	12	130.0
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	15	130.0
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	18	130.0
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	7	129.99
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	5	129.99
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	11	129.99
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	4	129.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	2	129.99
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	14	129.99
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	16	129.99
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	4	129.99
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	10	129.99
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	15	129.99
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	8	129.99
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	2	129.99
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	19	129.99
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	10	129.99
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	14	129.99
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	18	129.99
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	13	129.99
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	8	129.99
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	20	129.99
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	6	129.99
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	5	129.99
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	9	129.99
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	16	129.98
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	1	129.98
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	9	129.98
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	9	129.98
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	12	129.98
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	5	129.98
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	6	129.98
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	16	129.98
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	10	129.98
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	11	129.98
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	4	129.98
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	9	129.98
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	20	129.98
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	2	129.98
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	11	129.98
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	3	129.98
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	6	129.98
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	20	129.98
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	20	129.98
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	19	129.98
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	20	129.98
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	7	129.97
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	2	129.97
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	7	129.97
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	10	129.97
(1,289)	2:119:B:LYS:CG	2:119:B:LYS:CE	2:119:B:LYS:HD3	2:119:B:LYS:HD2	7	129.97
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	12	129.97
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	6	129.97
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	6	129.97
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	2	129.97
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	14	129.97
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	9	129.97
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	13	129.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	10	129.97
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	4	129.97
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	7	129.97
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	19	129.97
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	9	129.97
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	7	129.97
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	2	129.97
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	13	129.97
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	7	129.97
(1,39)	1:19:A:ASN:CA	1:19:A:ASN:CG	1:19:A:ASN:HB3	1:19:A:ASN:HB2	20	129.97
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	5	129.97
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	6	129.96
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	6	129.96
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	2	129.96
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	2	129.96
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	9	129.96
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	19	129.96
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	5	129.96
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	19	129.96
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	11	129.96
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	15	129.96
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	17	129.96
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	2	129.96
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	9	129.96
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	3	129.96
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	18	129.96
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	7	129.96
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	1	129.96
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	20	129.96
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	10	129.96
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	3	129.96
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	11	129.95
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	2	129.95
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	11	129.95
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	7	129.95
(1,364)	2:146:B:LEU:CA	2:146:B:LEU:CG	2:146:B:LEU:HB3	2:146:B:LEU:HB2	7	129.95
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	8	129.95
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	13	129.95
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	1	129.95
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	7	129.95
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	3	129.95
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	6	129.95
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	14	129.95
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	4	129.95
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	6	129.95
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	2	129.95
(1,378)	2:152:B:GLN:CA	2:152:B:GLN:CG	2:152:B:GLN:HB3	2:152:B:GLN:HB2	8	129.94
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	18	129.94
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	4	129.94
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	8	129.94
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	10	129.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	11	129.94
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	20	129.94
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	9	129.94
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	14	129.94
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	12	129.94
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	16	129.94
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	8	129.94
(1,130)	1:56:A:GLU:CA	1:56:A:GLU:CG	1:56:A:GLU:HB3	1:56:A:GLU:HB2	12	129.94
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	18	129.94
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	19	129.94
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	11	129.94
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	6	129.93
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	15	129.93
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	20	129.93
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	3	129.93
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	13	129.93
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	3	129.93
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	12	129.93
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	15	129.93
(1,180)	1:74:A:GLU:CB	1:74:A:GLU:CD	1:74:A:GLU:HG3	1:74:A:GLU:HG2	20	129.93
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	15	129.93
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	8	129.93
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	10	129.93
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	16	129.93
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	14	129.93
(1,384)	2:153:B:LYS:CG	2:153:B:LYS:CE	2:153:B:LYS:HD3	2:153:B:LYS:HD2	15	129.92
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	17	129.92
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	11	129.92
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	16	129.92
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	20	129.92
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	2	129.92
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	14	129.92
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	14	129.92
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	15	129.92
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	2	129.92
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	3	129.92
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	16	129.92
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	14	129.92
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	17	129.92
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	17	129.92
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	1	129.92
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	15	129.92
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	10	129.92
(1,86)	1:38:A:LEU:CA	1:38:A:LEU:CG	1:38:A:LEU:HB3	1:38:A:LEU:HB2	12	129.92
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	14	129.92
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	17	129.92
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	18	129.92
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	15	129.92
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	19	129.92
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	10	129.92
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	4	129.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,369)	2:148:B:ASP:CA	2:148:B:ASP:CG	2:148:B:ASP:HB3	2:148:B:ASP:HB2	3	129.91
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	13	129.91
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	5	129.91
(1,274)	2:114:B:GLU:CB	2:114:B:GLU:CD	2:114:B:GLU:HG3	2:114:B:GLU:HG2	10	129.91
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	12	129.91
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	19	129.91
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	5	129.91
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	5	129.91
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	19	129.91
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	20	129.91
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	20	129.91
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	18	129.91
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	10	129.9
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	2	129.9
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	20	129.9
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	7	129.9
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	1	129.9
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	15	129.9
(1,288)	2:119:B:LYS:CD	2:119:B:LYS:NZ	2:119:B:LYS:HE3	2:119:B:LYS:HE2	20	129.9
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	4	129.9
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	19	129.9
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	20	129.9
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	10	129.9
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	5	129.9
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	11	129.9
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	12	129.9
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	17	129.9
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	17	129.89
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	18	129.89
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	3	129.89
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	13	129.89
(1,379)	2:152:B:GLN:CB	2:152:B:GLN:CD	2:152:B:GLN:HG3	2:152:B:GLN:HG2	18	129.89
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	6	129.89
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	19	129.89
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	1	129.89
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	2	129.89
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	13	129.89
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	18	129.89
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	11	129.89
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	7	129.89
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	1	129.89
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	2	129.89
(1,414)	2:164:B:ARG:CB	2:164:B:ARG:CD	2:164:B:ARG:HG3	2:164:B:ARG:HG2	13	129.88
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	9	129.88
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	14	129.88
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	13	129.88
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	19	129.88
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	15	129.88
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	17	129.88
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	11	129.88
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	11	129.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	12	129.88
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	1	129.88
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	4	129.88
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	8	129.88
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	12	129.88
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	17	129.88
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	12	129.88
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	6	129.88
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	19	129.88
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	12	129.88
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	8	129.88
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	2	129.87
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	11	129.87
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	17	129.87
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	1	129.87
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	19	129.87
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	6	129.87
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	18	129.87
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	3	129.87
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	2	129.87
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	20	129.87
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	5	129.87
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	14	129.87
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	18	129.87
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	19	129.87
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	6	129.87
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	7	129.87
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	15	129.87
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	8	129.86
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	7	129.86
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	14	129.86
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	17	129.86
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	9	129.86
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	17	129.86
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	20	129.86
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	7	129.86
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	10	129.86
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	17	129.86
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	15	129.86
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	13	129.86
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	12	129.85
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	18	129.85
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	1	129.85
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	9	129.85
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	7	129.85
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	9	129.85
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	10	129.85
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	16	129.85
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	17	129.85
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	3	129.85
(1,65)	1:29:A:ILE:CB	1:29:A:ILE:CD1	1:29:A:ILE:HG13	1:29:A:ILE:HG12	9	129.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	2	129.85
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	19	129.85
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	20	129.84
(1,349)	2:140:B:LEU:CA	2:140:B:LEU:CG	2:140:B:LEU:HB3	2:140:B:LEU:HB2	13	129.84
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	9	129.84
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	12	129.84
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	14	129.84
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	10	129.84
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	18	129.84
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	1	129.84
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	3	129.84
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	16	129.84
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	11	129.84
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	15	129.84
(1,62)	1:28:A:GLU:CB	1:28:A:GLU:CD	1:28:A:GLU:HG3	1:28:A:GLU:HG2	11	129.84
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	11	129.84
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	16	129.84
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	20	129.84
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	14	129.84
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	1	129.83
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	18	129.83
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	15	129.83
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	12	129.83
(1,162)	1:67:A:LYS:CB	1:67:A:LYS:CD	1:67:A:LYS:HG3	1:67:A:LYS:HG2	9	129.83
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	7	129.83
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	5	129.83
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	17	129.83
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	1	129.83
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	11	129.83
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	13	129.83
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	19	129.83
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	10	129.83
(1,12)	1:8:A:GLU:CA	1:8:A:GLU:CG	1:8:A:GLU:HB3	1:8:A:GLU:HB2	9	129.83
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	8	129.82
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	11	129.82
(1,258)	2:108:B:GLU:CB	2:108:B:GLU:CD	2:108:B:GLU:HG3	2:108:B:GLU:HG2	12	129.82
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	3	129.82
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	20	129.82
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	12	129.82
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	12	129.81
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	3	129.81
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	16	129.81
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	6	129.81
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	1	129.81
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	1	129.81
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	8	129.81
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	9	129.81
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	18	129.81
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	6	129.81
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	14	129.8
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	3	129.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	7	129.8
(1,324)	2:131:B:GLN:CA	2:131:B:GLN:CG	2:131:B:GLN:HB3	2:131:B:GLN:HB2	9	129.8
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	16	129.8
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	17	129.8
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	17	129.8
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	1	129.79
(1,355)	2:142:B:ASP:CA	2:142:B:ASP:CG	2:142:B:ASP:HB3	2:142:B:ASP:HB2	14	129.79
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	6	129.79
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	8	129.79
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	14	129.79
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	10	129.79
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	14	129.79
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	13	129.79
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	4	129.79
(1,376)	2:151:B:ILE:CB	2:151:B:ILE:CD1	2:151:B:ILE:HG13	2:151:B:ILE:HG12	4	129.78
(1,183)	1:75:A:GLN:CB	1:75:A:GLN:CD	1:75:A:GLN:HG3	1:75:A:GLN:HG2	9	129.78
(1,109)	1:47:A:ASP:CA	1:47:A:ASP:CG	1:47:A:ASP:HB3	1:47:A:ASP:HB2	2	129.78
(1,105)	1:45:A:LEU:CA	1:45:A:LEU:CG	1:45:A:LEU:HB3	1:45:A:LEU:HB2	12	129.78
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	20	129.78
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	7	129.78
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	3	129.78
(1,13)	1:8:A:GLU:CB	1:8:A:GLU:CD	1:8:A:GLU:HG3	1:8:A:GLU:HG2	20	129.78
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	9	129.77
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	16	129.77
(1,231)	2:98:B:LEU:CA	2:98:B:LEU:CG	2:98:B:LEU:HB3	2:98:B:LEU:HB2	12	129.77
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	5	129.77
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	9	129.77
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	9	129.77
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	9	129.77
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	19	129.77
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	17	129.76
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	13	129.76
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	8	129.76
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	17	129.76
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	15	129.76
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	5	129.75
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	2	129.75
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	8	129.75
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	18	129.75
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	7	129.75
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	11	129.75
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	13	129.75
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	14	129.75
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	9	129.75
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	18	129.75
(1,33)	1:16:A:GLU:CB	1:16:A:GLU:CD	1:16:A:GLU:HG3	1:16:A:GLU:HG2	8	129.75
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	20	129.75
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	14	129.75
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	18	129.74
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	6	129.74
(1,125)	1:54:A:LEU:CA	1:54:A:LEU:CG	1:54:A:LEU:HB3	1:54:A:LEU:HB2	12	129.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	7	129.74
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	6	129.74
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	16	129.74
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	19	129.74
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	20	129.74
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	15	129.74
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	14	129.74
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	4	129.73
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	7	129.73
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	7	129.73
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	18	129.73
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	18	129.73
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	3	129.73
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	20	129.73
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	14	129.73
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	19	129.73
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	16	129.73
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	7	129.73
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	4	129.73
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	3	129.73
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	2	129.73
(1,77)	1:34:A:LEU:CA	1:34:A:LEU:CG	1:34:A:LEU:HB3	1:34:A:LEU:HB2	16	129.73
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	3	129.73
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	13	129.73
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	15	129.72
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	9	129.72
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	5	129.72
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	18	129.72
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	5	129.72
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	5	129.71
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	11	129.71
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	15	129.71
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	8	129.71
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	13	129.71
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	11	129.71
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	4	129.71
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	2	129.71
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	4	129.71
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	19	129.7
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	2	129.7
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	6	129.7
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	20	129.69
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	18	129.69
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	3	129.69
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	17	129.69
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	1	129.69
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	17	129.69
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	6	129.69
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	15	129.69
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	17	129.69
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	11	129.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	20	129.68
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	16	129.68
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	8	129.68
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	5	129.68
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	11	129.68
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	12	129.68
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	14	129.68
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	12	129.68
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	4	129.68
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	15	129.67
(1,322)	2:130:B:GLN:CB	2:130:B:GLN:CD	2:130:B:GLN:HG3	2:130:B:GLN:HG2	3	129.67
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	12	129.67
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	3	129.67
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	10	129.67
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	12	129.67
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	8	129.67
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	19	129.67
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	20	129.67
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	13	129.67
(1,80)	1:35:A:TYR:CA	1:35:A:TYR:CG	1:35:A:TYR:HB3	1:35:A:TYR:HB2	4	129.67
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	9	129.67
(1,23)	1:13:A:ASP:CA	1:13:A:ASP:CG	1:13:A:ASP:HB3	1:13:A:ASP:HB2	4	129.67
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	4	129.66
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	16	129.66
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	13	129.66
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	10	129.65
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	14	129.65
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	15	129.65
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	14	129.64
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	3	129.64
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	6	129.64
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	20	129.64
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	10	129.64
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	14	129.63
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	4	129.63
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	7	129.63
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	8	129.62
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	18	129.62
(1,158)	1:66:A:GLN:CA	1:66:A:GLN:CG	1:66:A:GLN:HB3	1:66:A:GLN:HB2	12	129.62
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	13	129.62
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	18	129.62
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	11	129.62
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	14	129.62
(1,294)	2:121:B:GLN:CA	2:121:B:GLN:CG	2:121:B:GLN:HB3	2:121:B:GLN:HB2	1	129.61
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	3	129.61
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	10	129.61
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	15	129.6
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	2	129.6
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	9	129.6
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	15	129.6
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	19	129.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	14	129.6
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	20	129.6
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	1	129.6
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	15	129.6
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	18	129.6
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	14	129.59
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	1	129.59
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	20	129.59
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	13	129.58
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	19	129.58
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	18	129.58
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	4	129.58
(1,176)	1:73:A:LEU:CA	1:73:A:LEU:CG	1:73:A:LEU:HB3	1:73:A:LEU:HB2	10	129.58
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	9	129.58
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	19	129.58
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	5	129.57
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	5	129.57
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	18	129.57
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	11	129.57
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	13	129.56
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	20	129.56
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	14	129.56
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	7	129.56
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	10	129.55
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	12	129.55
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	10	129.55
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	2	129.55
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	19	129.54
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	1	129.54
(1,118)	1:51:A:ASP:CA	1:51:A:ASP:CG	1:51:A:ASP:HB3	1:51:A:ASP:HB2	15	129.54
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	3	129.54
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	10	129.54
(1,331)	2:133:B:LEU:CA	2:133:B:LEU:CG	2:133:B:LEU:HB3	2:133:B:LEU:HB2	9	129.53
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	17	129.53
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	7	129.53
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	11	129.53
(1,100)	1:43:A:GLU:CA	1:43:A:GLU:CG	1:43:A:GLU:HB3	1:43:A:GLU:HB2	5	129.53
(1,84)	1:37:A:CYS:CA	1:37:A:CYS:SG	1:37:A:CYS:HB3	1:37:A:CYS:HB2	4	129.53
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	5	129.53
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	7	129.52
(1,159)	1:66:A:GLN:CB	1:66:A:GLN:CD	1:66:A:GLN:HG3	1:66:A:GLN:HG2	11	129.52
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	15	129.52
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	15	129.5
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	9	129.5
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	12	129.5
(1,245)	2:103:B:ILE:CB	2:103:B:ILE:CD1	2:103:B:ILE:HG13	2:103:B:ILE:HG12	5	129.5
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	9	129.5
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	11	129.5
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	3	129.49
(1,319)	2:129:B:ASP:CA	2:129:B:ASP:CG	2:129:B:ASP:HB3	2:129:B:ASP:HB2	4	129.49
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	5	129.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	17	129.48
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	7	129.48
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	14	129.48
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	15	129.48
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	19	129.47
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	1	129.47
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	18	129.47
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	5	129.47
(1,21)	1:12:A:GLU:CB	1:12:A:GLU:CD	1:12:A:GLU:HG3	1:12:A:GLU:HG2	20	129.47
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	4	129.46
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	10	129.46
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	13	129.46
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	2	129.46
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	6	129.46
(1,211)	2:91:B:MET:CA	2:91:B:MET:CG	2:91:B:MET:HB3	2:91:B:MET:HB2	19	129.46
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	11	129.45
(1,137)	1:59:A:LEU:CA	1:59:A:LEU:CG	1:59:A:LEU:HB3	1:59:A:LEU:HB2	14	129.45
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	6	129.44
(1,120)	1:52:A:ASP:CA	1:52:A:ASP:CG	1:52:A:ASP:HB3	1:52:A:ASP:HB2	3	129.44
(1,29)	1:15:A:ARG:CB	1:15:A:ARG:CD	1:15:A:ARG:HG3	1:15:A:ARG:HG2	4	129.44
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	12	129.44
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	10	129.43
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	16	129.43
(1,215)	2:92:B:GLN:CB	2:92:B:GLN:CD	2:92:B:GLN:HG3	2:92:B:GLN:HG2	19	129.43
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	12	129.43
(1,167)	1:69:A:LEU:CA	1:69:A:LEU:CG	1:69:A:LEU:HB3	1:69:A:LEU:HB2	20	129.43
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	6	129.42
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	11	129.42
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	4	129.42
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	18	129.42
(1,18)	1:11:A:TYR:CA	1:11:A:TYR:CG	1:11:A:TYR:HB3	1:11:A:TYR:HB2	7	129.42
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	19	129.41
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	19	129.41
(1,179)	1:74:A:GLU:CA	1:74:A:GLU:CG	1:74:A:GLU:HB3	1:74:A:GLU:HB2	17	129.41
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	20	129.41
(1,43)	1:21:A:LEU:CA	1:21:A:LEU:CG	1:21:A:LEU:HB3	1:21:A:LEU:HB2	5	129.4
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	5	129.39
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	6	129.39
(1,54)	1:25:A:GLN:CB	1:25:A:GLN:CD	1:25:A:GLN:HG3	1:25:A:GLN:HG2	10	129.39
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	11	129.38
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	2	129.38
(1,143)	1:60:A:LYS:CG	1:60:A:LYS:CE	1:60:A:LYS:HD3	1:60:A:LYS:HD2	8	129.38
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	1	129.37
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	5	129.37
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	11	129.37
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	6	129.37
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	17	129.37
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	20	129.36
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	10	129.36
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	2	129.36
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	9	129.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	4	129.35
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	8	129.35
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	1	129.35
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	16	129.34
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	2	129.34
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	5	129.33
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	3	129.33
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	20	129.33
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	5	129.32
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	8	129.32
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	11	129.32
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	13	129.32
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	13	129.31
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	3	129.3
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	12	129.3
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	4	129.29
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	6	129.28
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	16	129.27
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	7	129.27
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	20	129.27
(1,382)	2:153:B:LYS:CB	2:153:B:LYS:CD	2:153:B:LYS:HG3	2:153:B:LYS:HG2	15	129.26
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	8	129.26
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	17	129.26
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	9	129.26
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	3	129.25
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	13	129.25
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	15	129.24
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	19	129.23
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	13	129.23
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	2	129.23
(1,406)	2:162:B:ARG:CA	2:162:B:ARG:CG	2:162:B:ARG:HB3	2:162:B:ARG:HB2	19	129.22
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	15	129.22
(1,185)	1:76:A:ASP:CA	1:76:A:ASP:CG	1:76:A:ASP:HB3	1:76:A:ASP:HB2	8	129.22
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	4	129.19
(1,253)	2:106:B:GLU:CB	2:106:B:GLU:CD	2:106:B:GLU:HG3	2:106:B:GLU:HG2	3	129.19
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	9	129.18
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	9	129.18
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	20	129.18
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	12	129.18
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	4	129.17
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	10	129.17
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	10	129.17
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	16	129.17
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	6	129.16
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	16	129.16
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	9	129.13
(1,97)	1:42:A:ARG:CB	1:42:A:ARG:CD	1:42:A:ARG:HG3	1:42:A:ARG:HG2	15	129.12
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	7	129.11
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	11	129.11
(1,53)	1:25:A:GLN:CA	1:25:A:GLN:CG	1:25:A:GLN:HB3	1:25:A:GLN:HB2	18	129.1
(1,352)	2:141:B:GLU:CA	2:141:B:GLU:CG	2:141:B:GLU:HB3	2:141:B:GLU:HB2	18	129.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	2	129.09
(1,413)	2:164:B:ARG:CA	2:164:B:ARG:CG	2:164:B:ARG:HB3	2:164:B:ARG:HB2	9	129.08
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	15	129.08
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	1	129.08
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	13	129.07
(1,212)	2:91:B:MET:CB	2:91:B:MET:SD	2:91:B:MET:HG3	2:91:B:MET:HG2	17	129.07
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	8	129.06
(1,20)	1:12:A:GLU:CA	1:12:A:GLU:CG	1:12:A:GLU:HB3	1:12:A:GLU:HB2	16	129.05
(1,327)	2:132:B:ARG:CA	2:132:B:ARG:CG	2:132:B:ARG:HB3	2:132:B:ARG:HB2	3	129.02
(1,101)	1:43:A:GLU:CB	1:43:A:GLU:CD	1:43:A:GLU:HG3	1:43:A:GLU:HG2	16	129.02
(1,67)	1:30:A:ASP:CA	1:30:A:ASP:CG	1:30:A:ASP:HB3	1:30:A:ASP:HB2	8	129.01
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	9	129.0
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	10	129.0
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	13	128.97
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	19	128.97
(1,32)	1:16:A:GLU:CA	1:16:A:GLU:CG	1:16:A:GLU:HB3	1:16:A:GLU:HB2	20	128.96
(1,342)	2:138:B:LYS:CB	2:138:B:LYS:CD	2:138:B:LYS:HG3	2:138:B:LYS:HG2	7	128.95
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	9	128.94
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	2	128.93
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	4	128.93
(1,56)	1:26:A:LEU:CA	1:26:A:LEU:CG	1:26:A:LEU:HB3	1:26:A:LEU:HB2	3	128.93
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	16	128.92
(1,287)	2:119:B:LYS:CB	2:119:B:LYS:CD	2:119:B:LYS:HG3	2:119:B:LYS:HG2	19	128.92
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	5	128.92
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	12	128.92
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	5	128.91
(1,96)	1:42:A:ARG:CA	1:42:A:ARG:CG	1:42:A:ARG:HB3	1:42:A:ARG:HB2	6	128.91
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	9	128.89
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	11	128.89
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	11	128.88
(1,25)	1:14:A:LEU:CA	1:14:A:LEU:CG	1:14:A:LEU:HB3	1:14:A:LEU:HB2	20	128.88
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	3	128.87
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	6	128.86
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	7	128.86
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	4	128.85
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	20	128.85
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	16	128.83
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	15	128.82
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	11	128.82
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	17	128.82
(1,46)	1:22:A:LEU:CA	1:22:A:LEU:CG	1:22:A:LEU:HB3	1:22:A:LEU:HB2	18	128.81
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	16	128.8
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	8	128.8
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	10	128.8
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	20	128.79
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	13	128.79
(1,410)	2:163:B:LEU:CA	2:163:B:LEU:CG	2:163:B:LEU:HB3	2:163:B:LEU:HB2	14	128.77
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	9	128.77
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	18	128.77
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	19	128.77
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	12	128.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,182)	1:75:A:GLN:CA	1:75:A:GLN:CG	1:75:A:GLN:HB3	1:75:A:GLN:HB2	14	128.73
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	2	128.73
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	7	128.73
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	14	128.73
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	15	128.72
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	5	128.71
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	4	128.7
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	1	128.7
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	17	128.67
(1,28)	1:15:A:ARG:CA	1:15:A:ARG:CG	1:15:A:ARG:HB3	1:15:A:ARG:HB2	16	128.67
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	13	128.65
(1,325)	2:131:B:GLN:CB	2:131:B:GLN:CD	2:131:B:GLN:HG3	2:131:B:GLN:HG2	12	128.64
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	16	128.63
(1,131)	1:56:A:GLU:CB	1:56:A:GLU:CD	1:56:A:GLU:HG3	1:56:A:GLU:HG2	3	128.62
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	12	128.61
(1,123)	1:53:A:ILE:CB	1:53:A:ILE:CD1	1:53:A:ILE:HG13	1:53:A:ILE:HG12	6	128.58
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	5	128.49
(1,214)	2:92:B:GLN:CA	2:92:B:GLN:CG	2:92:B:GLN:HB3	2:92:B:GLN:HB2	16	128.38
(1,94)	1:41:A:MET:CB	1:41:A:MET:SD	1:41:A:MET:HG3	1:41:A:MET:HG2	12	127.74
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	9	18.04
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	9	18.04
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	10	16.4
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	10	16.4
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	2	15.05
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	2	15.05
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	6	14.31
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	6	14.31
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	14	13.3
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	14	13.3
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	19	13.24
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	19	13.24
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	12	12.27
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	12	12.27
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	20	11.9
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	20	11.9
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	7	11.55
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	7	11.55
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	18	10.5
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	18	10.5
(2,181)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	13	10.4
(1,773)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	13	10.4
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	5	9.71
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	5	9.71
(2,175)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	4	9.02
(1,765)	2:157:B:LEU:C	2:158:B:HIS:N	2:158:B:HIS:CA	2:158:B:HIS:C	4	9.02
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	13	8.2
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	13	8.2
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	7	8.02
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	7	8.02
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	20	7.98
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	20	7.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	17	7.79
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	17	7.79
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	3	7.62
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	15	7.62
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	3	7.62
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	15	7.62
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	11	7.61
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	11	7.61
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	2	7.6
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	2	7.6
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	4	7.46
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	4	7.46
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	18	7.45
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	18	7.45
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	9	7.36
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	9	7.36
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	14	7.19
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	14	7.19
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	18	7.1
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	18	7.1
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	5	7.09
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	5	7.09
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	8	6.89
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	8	6.89
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	1	6.84
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	1	6.84
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	19	6.83
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	19	6.83
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	3	6.81
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	3	6.81
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	10	6.75
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	10	6.75
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	10	6.74
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	10	6.74
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	6	6.69
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	6	6.69
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	12	6.62
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	12	6.62
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	8	6.59
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	8	6.59
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	1	6.52
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	1	6.52
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	16	6.3
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	16	6.3
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	15	6.22
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	15	6.22
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	14	6.16
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	14	6.16
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	4	6.01
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	4	6.01
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	16	5.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	16	5.79
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	2	5.78
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	2	5.78
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	9	5.52
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	9	5.52
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	12	5.5
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	12	5.5
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	7	5.18
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	7	5.18
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	13	5.13
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	13	5.13
(2,181)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	19	5.02
(1,773)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	19	5.02
(2,63)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	20	4.98
(1,648)	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1:62:A:LYS:N	20	4.98
(2,110)	2:107:B:VAL:C	2:108:B:GLU:N	2:108:B:GLU:CA	2:108:B:GLU:C	16	4.9
(1,697)	2:107:B:VAL:C	2:108:B:GLU:N	2:108:B:GLU:CA	2:108:B:GLU:C	16	4.9
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	11	4.55
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	11	4.55
(2,96)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	7	4.23
(1,683)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	7	4.23
(1,463)	1:46:A:GLY:CA	1:46:A:GLY:N	1:45:A:LEU:C	1:45:A:LEU:CA	9	3.69
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	16	3.34
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	8	3.29
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	20	3.24
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	12	3.23
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	5	3.06
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	18	2.97
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	2	2.96
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	19	2.93
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	17	2.91
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	6	2.89
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	1	2.85
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	15	2.84
(2,96)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	17	2.78
(1,683)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	17	2.78
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	18	2.72
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	19	2.7
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	19	2.7
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	19	2.67
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	8	2.62
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	20	2.59
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	11	2.56
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	8	2.54
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	10	2.53
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	3	2.52
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	6	2.51
(1,433)	1:16:A:GLU:CA	1:16:A:GLU:N	1:15:A:ARG:C	1:15:A:ARG:CA	16	2.51
(1,445)	1:28:A:GLU:CA	1:28:A:GLU:N	1:27:A:SER:C	1:27:A:SER:CA	5	2.5
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	17	2.46
(1,463)	1:46:A:GLY:CA	1:46:A:GLY:N	1:45:A:LEU:C	1:45:A:LEU:CA	20	2.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	20	2.43
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	11	2.41
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	5	2.28
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	13	2.27
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	2	2.2
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	1	2.19
(1,463)	1:46:A:GLY:CA	1:46:A:GLY:N	1:45:A:LEU:C	1:45:A:LEU:CA	7	2.19
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	4	2.18
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	6	2.17
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	15	2.16
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	13	2.16
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	15	2.14
(1,434)	1:17:A:SER:CA	1:17:A:SER:N	1:16:A:GLU:C	1:16:A:GLU:CA	5	2.13
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	14	2.08
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	19	2.04
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	6	2.04
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	7	2.01
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	4	2.01
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	9	2.01
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	19	1.99
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	3	1.99
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	13	1.97
(2,184)	2:163:B:LEU:N	2:163:B:LEU:CA	2:163:B:LEU:C	2:164:B:ARG:N	17	1.93
(1,776)	2:163:B:LEU:N	2:163:B:LEU:CA	2:163:B:LEU:C	2:164:B:ARG:N	17	1.93
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	11	1.93
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	15	1.93
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	11	1.9
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	12	1.89
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	15	1.89
(1,520)	2:103:B:ILE:CA	2:103:B:ILE:N	2:102:B:THR:C	2:102:B:THR:CA	19	1.88
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	7	1.88
(2,96)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	14	1.84
(1,683)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	14	1.84
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	15	1.82
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	17	1.82
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	19	1.82
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	16	1.8
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	13	1.78
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	2	1.76
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	4	1.73
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	20	1.72
(2,180)	2:160:B:VAL:N	2:160:B:VAL:CA	2:160:B:VAL:C	2:161:B:LEU:N	11	1.7
(1,772)	2:160:B:VAL:N	2:160:B:VAL:CA	2:160:B:VAL:C	2:161:B:LEU:N	11	1.7
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	3	1.7
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	10	1.7
(1,444)	1:27:A:SER:CA	1:27:A:SER:N	1:26:A:LEU:C	1:26:A:LEU:CA	7	1.69
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	1	1.68
(1,432)	1:15:A:ARG:CA	1:15:A:ARG:N	1:14:A:LEU:C	1:14:A:LEU:CA	8	1.68
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	12	1.66
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	11	1.64
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	3	1.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	13	1.62
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	10	1.62
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	1	1.61
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	5	1.61
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	17	1.6
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	8	1.59
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	13	1.59
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	18	1.58
(1,442)	1:25:A:GLN:CA	1:25:A:GLN:N	1:24:A:HIS:C	1:24:A:HIS:CA	7	1.58
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	19	1.57
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	9	1.57
(1,539)	2:122:B:ASP:CA	2:122:B:ASP:N	2:121:B:GLN:C	2:121:B:GLN:CA	17	1.56
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	16	1.56
(1,547)	2:130:B:GLN:CA	2:130:B:GLN:N	2:129:B:ASP:C	2:129:B:ASP:CA	11	1.55
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	6	1.55
(1,579)	2:162:B:ARG:CA	2:162:B:ARG:N	2:161:B:LEU:C	2:161:B:LEU:CA	17	1.54
(1,539)	2:122:B:ASP:CA	2:122:B:ASP:N	2:121:B:GLN:C	2:121:B:GLN:CA	1	1.54
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	10	1.54
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	3	1.53
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	10	1.52
(1,423)	1:6:A:SER:CA	1:6:A:SER:N	1:5:A:SER:C	1:5:A:SER:CA	16	1.51
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	20	1.5
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	6	1.49
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	16	1.48
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	4	1.47
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	9	1.46
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	4	1.44
(1,524)	2:107:B:VAL:CA	2:107:B:VAL:N	2:106:B:GLU:C	2:106:B:GLU:CA	10	1.44
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	2	1.43
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	14	1.42
(1,491)	1:74:A:GLU:CA	1:74:A:GLU:N	1:73:A:LEU:C	1:73:A:LEU:CA	4	1.42
(1,531)	2:114:B:GLU:CA	2:114:B:GLU:N	2:113:B:ILE:C	2:113:B:ILE:CA	15	1.4
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	5	1.4
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	15	1.4
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	16	1.39
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	6	1.39
(1,460)	1:43:A:GLU:CA	1:43:A:GLU:N	1:42:A:ARG:C	1:42:A:ARG:CA	19	1.39
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	4	1.39
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	11	1.39
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	13	1.38
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	19	1.36
(1,525)	2:108:B:GLU:CA	2:108:B:GLU:N	2:107:B:VAL:C	2:107:B:VAL:CA	5	1.36
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	14	1.36
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	10	1.34
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	15	1.33
(1,443)	1:26:A:LEU:CA	1:26:A:LEU:N	1:25:A:GLN:C	1:25:A:GLN:CA	11	1.31
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	19	1.3
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	2	1.29
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	6	1.29
(1,579)	2:162:B:ARG:CA	2:162:B:ARG:N	2:161:B:LEU:C	2:161:B:LEU:CA	9	1.28
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	13	1.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,509)	2:92:B:GLN:CA	2:92:B:GLN:N	2:91:B:MET:C	2:91:B:MET:CA	20	1.27
(1,451)	1:34:A:LEU:CA	1:34:A:LEU:N	1:33:A:ARG:C	1:33:A:ARG:CA	4	1.27
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	2	1.26
(1,509)	2:92:B:GLN:CA	2:92:B:GLN:N	2:91:B:MET:C	2:91:B:MET:CA	1	1.24
(1,420)	1:3:A:SER:CA	1:3:A:SER:N	1:2:A:SER:C	1:2:A:SER:CA	12	1.24
(1,573)	2:156:B:THR:CA	2:156:B:THR:N	2:155:B:SER:C	2:155:B:SER:CA	5	1.23
(2,107)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	17	1.22
(1,694)	2:106:B:GLU:N	2:106:B:GLU:CA	2:106:B:GLU:C	2:107:B:VAL:N	17	1.22
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	7	1.22
(1,528)	2:111:B:ASP:CA	2:111:B:ASP:N	2:110:B:SER:C	2:110:B:SER:CA	15	1.2
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	20	1.19
(1,460)	1:43:A:GLU:CA	1:43:A:GLU:N	1:42:A:ARG:C	1:42:A:ARG:CA	13	1.19
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	16	1.17
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	8	1.17
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	17	1.17
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	4	1.16
(1,510)	2:93:B:ILE:CA	2:93:B:ILE:N	2:92:B:GLN:C	2:92:B:GLN:CA	9	1.16
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	3	1.14
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	10	1.14
(1,537)	2:120:B:ILE:CA	2:120:B:ILE:N	2:119:B:LYS:C	2:119:B:LYS:CA	7	1.14
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	6	1.13
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	2	1.13
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	14	1.13
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	16	1.13
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	17	1.13
(1,528)	2:111:B:ASP:CA	2:111:B:ASP:N	2:110:B:SER:C	2:110:B:SER:CA	4	1.1
(1,445)	1:28:A:GLU:CA	1:28:A:GLU:N	1:27:A:SER:C	1:27:A:SER:CA	1	1.1
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	20	1.07
(1,531)	2:114:B:GLU:CA	2:114:B:GLU:N	2:113:B:ILE:C	2:113:B:ILE:CA	4	1.06
(1,541)	2:124:B:GLU:CA	2:124:B:GLU:N	2:123:B:LYS:C	2:123:B:LYS:CA	3	1.05
(1,445)	1:28:A:GLU:CA	1:28:A:GLU:N	1:27:A:SER:C	1:27:A:SER:CA	7	1.05
(1,539)	2:122:B:ASP:CA	2:122:B:ASP:N	2:121:B:GLN:C	2:121:B:GLN:CA	20	1.04
(1,572)	2:155:B:SER:CA	2:155:B:SER:N	2:154:B:GLU:C	2:154:B:GLU:CA	1	1.03
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	11	1.03
(2,181)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	11	1.02
(1,773)	2:161:B:LEU:C	2:162:B:ARG:N	2:162:B:ARG:CA	2:162:B:ARG:C	11	1.02
(1,534)	2:117:B:LYS:CA	2:117:B:LYS:N	2:116:B:VAL:C	2:116:B:VAL:CA	15	1.02
(1,531)	2:114:B:GLU:CA	2:114:B:GLU:N	2:113:B:ILE:C	2:113:B:ILE:CA	10	1.02
(2,173)	2:156:B:THR:C	2:157:B:LEU:N	2:157:B:LEU:CA	2:157:B:LEU:C	16	1.01
(1,761)	2:156:B:THR:C	2:157:B:LEU:N	2:157:B:LEU:CA	2:157:B:LEU:C	16	1.01
(1,462)	1:45:A:LEU:CA	1:45:A:LEU:N	1:44:A:VAL:C	1:44:A:VAL:CA	16	1.01
(1,448)	1:31:A:GLN:CA	1:31:A:GLN:N	1:30:A:ASP:C	1:30:A:ASP:CA	9	1.01
(2,96)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	6	1.0
(1,683)	2:100:B:GLY:C	2:101:B:LYS:N	2:101:B:LYS:CA	2:101:B:LYS:C	6	1.0