Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	2LG4 / pdb_00002lg4
BMRB ID	:	17792
Title	:	3D solution structure of antimicrobial peptide aurelin
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Deposited on	:	2011-07-20

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

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

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

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

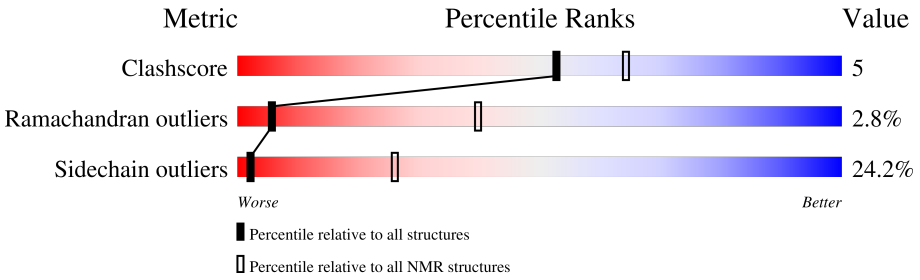
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 79%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	40	65% 22% 5% 8%

2 Ensemble composition and analysis

This entry contains 20 models. Model 13 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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:4-A:40 (37)	0.19	13

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 4 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 582 atoms, of which 287 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Aurelin.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	40	582	176	287	60	53	6	0

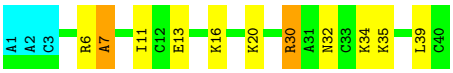
4 Residue-property plots

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: Aurelin

Chain A:



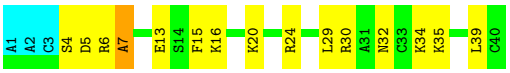
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Aurelin

Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Aurelin

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: Aurelin

Chain A:

4.2.4 Score per residue for model 4

• Molecule 1: Aurelin

Chain A:

4.2.5 Score per residue for model 5

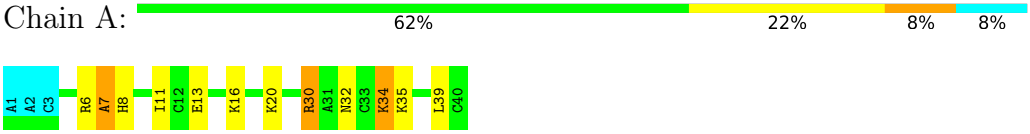
• Molecule 1: Aurelin

Chain A:

4.2.6 Score per residue for model 6

• Molecule 1: Aurelin

Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Aurelin

Chain A:

4.2.8 Score per residue for model 8

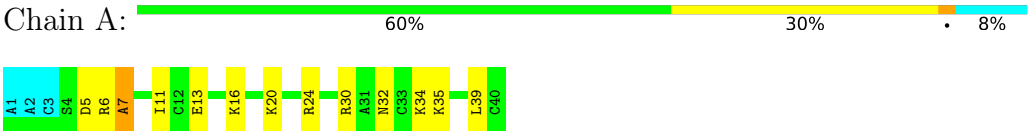
• Molecule 1: Aurelin

Chain A:

4.2.9 Score per residue for model 9

• Molecule 1: Aurelin

Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Aurelin

Chain A:

4.2.11 Score per residue for model 11

• Molecule 1: Aurelin

Chain A:

4.2.12 Score per residue for model 12

• Molecule 1: Aurelin

Chain A:

4.2.13 Score per residue for model 13 (medoid)

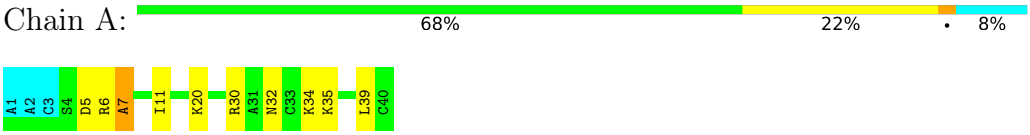
• Molecule 1: Aurelin

Chain A:

4.2.14 Score per residue for model 14

• Molecule 1: Aurelin

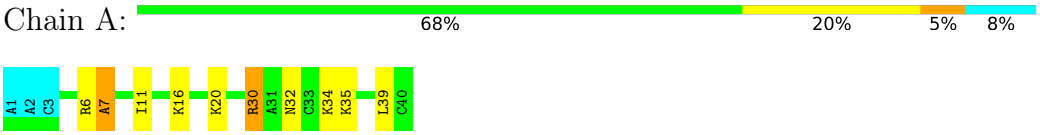
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Aurelin

Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Aurelin

Chain A:

4.2.17 Score per residue for model 17

• Molecule 1: Aurelin

Chain A:

4.2.18 Score per residue for model 18

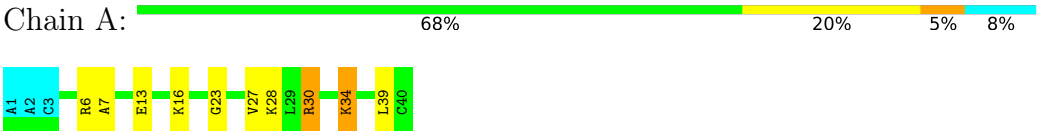
• Molecule 1: Aurelin

Chain A:

4.2.19 Score per residue for model 19

• Molecule 1: Aurelin

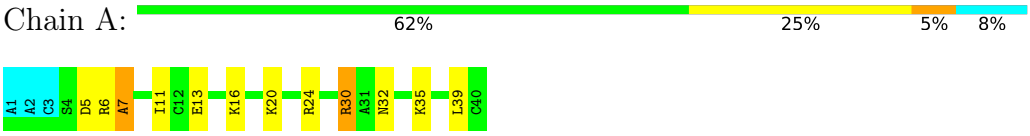
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Aurelin

Chain A:



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 acceptable covalent geometry*.

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

Software name	Classification	Version
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	401
Number of shifts mapped to atoms	401
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	79%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	279	273	273	3±1
All	All	5580	5460	5460	59

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 5.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:ALA:HB2	1:A:32:ASN:HB3	0.60	1.72	20	19
1:A:30:ARG:HD2	1:A:39:LEU:HD21	0.56	1.75	10	2
1:A:34:LYS:HA	1:A:39:LEU:HD12	0.55	1.76	4	19
1:A:23:GLY:O	1:A:27:VAL:HG23	0.55	2.00	19	1
1:A:30:ARG:HB3	1:A:39:LEU:HD11	0.51	1.81	10	11
1:A:15:PHE:HB2	1:A:29:LEU:HD21	0.48	1.84	17	2
1:A:30:ARG:CD	1:A:39:LEU:HD21	0.46	2.40	20	1
1:A:7:ALA:HB3	1:A:12:CYS:SG	0.42	2.55	5	4

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	36/40 (90%)	31±0 (86±1%)	4±0 (11±1%)	1±0 (3±0%)	6 40
All	All	720/800 (90%)	619 (86%)	81 (11%)	20 (3%)	6 40

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	7	ALA	20

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	31/32 (97%)	24±1 (76±4%)	8±1 (24±4%)	2 26
All	All	620/640 (97%)	470 (76%)	150 (24%)	2 26

All 15 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	6	ARG	20
1	A	16	LYS	19
1	A	30	ARG	19
1	A	35	LYS	19
1	A	20	LYS	17
1	A	13	GLU	11
1	A	11	ILE	11
1	A	5	ASP	9
1	A	34	LYS	6
1	A	24	ARG	5

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Mol	Chain	Res	Type	Models (Total)
1	A	4	SER	4
1	A	17	SER	4
1	A	28	LYS	3
1	A	8	HIS	2
1	A	22	SER	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 79% for the well-defined parts and 79% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	401
Number of shifts mapped to atoms	401
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	38	2.50 ± 0.38	Should be applied
$^{13}C_{\beta}$	35	2.90 ± 0.24	Should be applied
$^{13}C'$	0	—	None (insufficient data)
^{15}N	39	0.16 ± 0.41	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 79%, i.e. 372 atoms were assigned a chemical shift out of a possible 473. 0 out of 3 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	151/189 (80%)	78/78 (100%)	36/74 (49%)	37/37 (100%)
Sidechain	209/250 (84%)	143/159 (90%)	66/75 (88%)	0/16 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	12/34 (35%)	12/18 (67%)	0/14 (0%)	0/2 (0%)
Overall	372/473 (79%)	233/255 (91%)	102/163 (63%)	37/55 (67%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 392 atoms were assigned a chemical shift out of a possible 499. 0 out of 3 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	160/204 (78%)	83/84 (99%)	38/80 (48%)	39/40 (98%)
Sidechain	220/261 (84%)	151/167 (90%)	69/78 (88%)	0/16 (0%)
Aromatic	12/34 (35%)	12/18 (67%)	0/14 (0%)	0/2 (0%)
Overall	392/499 (79%)	246/269 (91%)	107/172 (62%)	39/58 (67%)

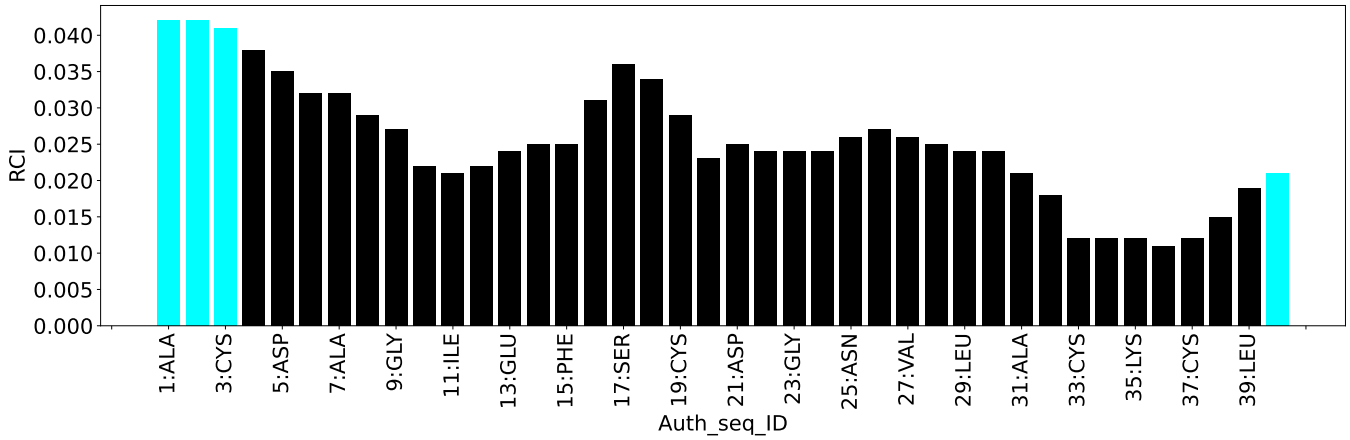
7.1.4 Statistically unusual chemical shifts (i)

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:



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	880
Intra-residue (|i-j|=0)	245
Sequential (|i-j|=1)	183
Medium range (|i-j|>1 and |i-j|<5)	289
Long range (|i-j|≥5)	163
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	65
Number of unmapped restraints	0
Number of restraints per residue	23.6
Number of long range restraints per residue[1]	4.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	52.5	0.2
0.2-0.5 (Medium)	149.4	0.5
>0.5 (Large)	356.6	4.04

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	0.4	2.23
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

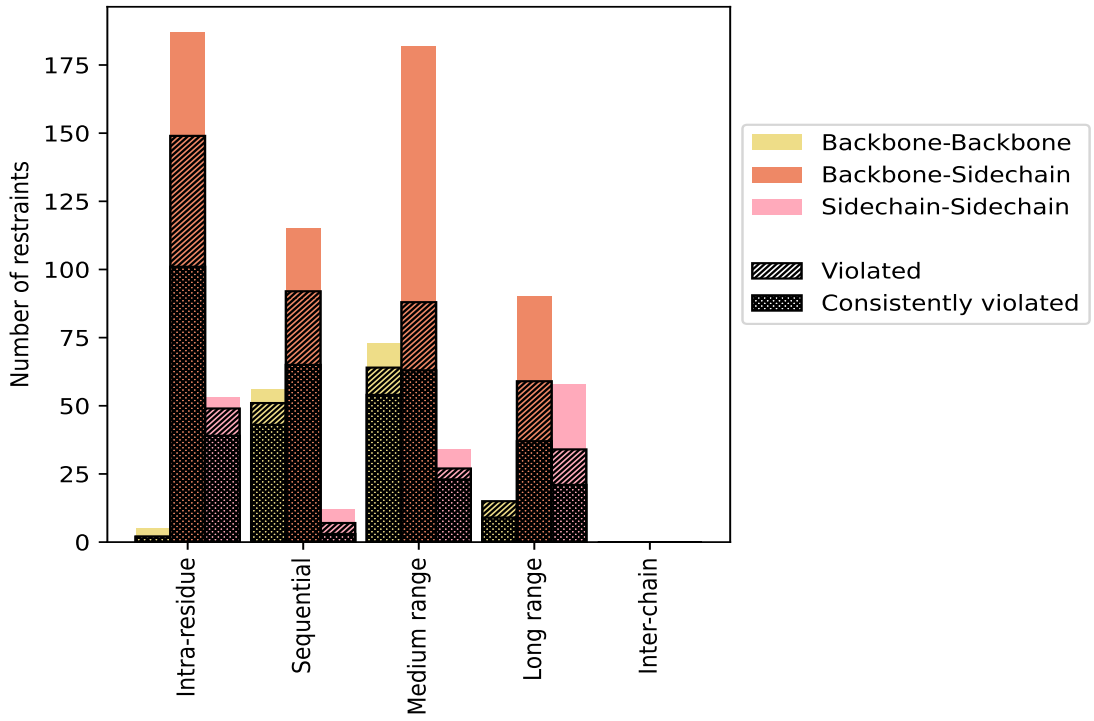
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	245	27.8	200	81.6	22.7	142	58.0	16.1
Backbone-Backbone	5	0.6	2	40.0	0.2	2	40.0	0.2
Backbone-Sidechain	187	21.2	149	79.7	16.9	101	54.0	11.5
Sidechain-Sidechain	53	6.0	49	92.5	5.6	39	73.6	4.4
Sequential (|i-j|=1)	183	20.8	150	82.0	17.0	111	60.7	12.6
Backbone-Backbone	56	6.4	51	91.1	5.8	43	76.8	4.9
Backbone-Sidechain	115	13.1	92	80.0	10.5	65	56.5	7.4
Sidechain-Sidechain	12	1.4	7	58.3	0.8	3	25.0	0.3
Medium range (|i-j|>1 & |i-j|<5)	289	32.8	179	61.9	20.3	140	48.4	15.9
Backbone-Backbone	73	8.3	64	87.7	7.3	54	74.0	6.1
Backbone-Sidechain	182	20.7	88	48.4	10.0	63	34.6	7.2
Sidechain-Sidechain	34	3.9	27	79.4	3.1	23	67.6	2.6
Long range (|i-j|≥5)	163	18.5	108	66.3	12.3	67	41.1	7.6
Backbone-Backbone	15	1.7	15	100.0	1.7	9	60.0	1.0
Backbone-Sidechain	90	10.2	59	65.6	6.7	37	41.1	4.2
Sidechain-Sidechain	58	6.6	34	58.6	3.9	21	36.2	2.4
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	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	880	100.0	637	72.4	72.4	460	52.3	52.3
Backbone-Backbone	149	16.9	132	88.6	15.0	108	72.5	12.3
Backbone-Sidechain	574	65.2	388	67.6	44.1	266	46.3	30.2
Sidechain-Sidechain	157	17.8	117	74.5	13.3	86	54.8	9.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	181	139	163	84	0	567	0.79	3.49	0.57	0.64
2	179	131	164	92	0	566	0.78	3.37	0.55	0.65
3	181	131	160	90	0	562	0.8	3.62	0.57	0.65
4	181	129	157	87	0	554	0.81	2.94	0.56	0.65
5	183	130	163	89	0	565	0.79	2.85	0.55	0.65
6	179	130	166	89	0	564	0.79	2.67	0.56	0.66
7	182	128	162	90	0	562	0.8	3.6	0.57	0.65
8	180	129	160	88	0	557	0.78	3.43	0.55	0.65
9	183	135	165	87	0	570	0.8	3.21	0.56	0.66
10	182	133	158	87	0	560	0.81	3.64	0.58	0.67

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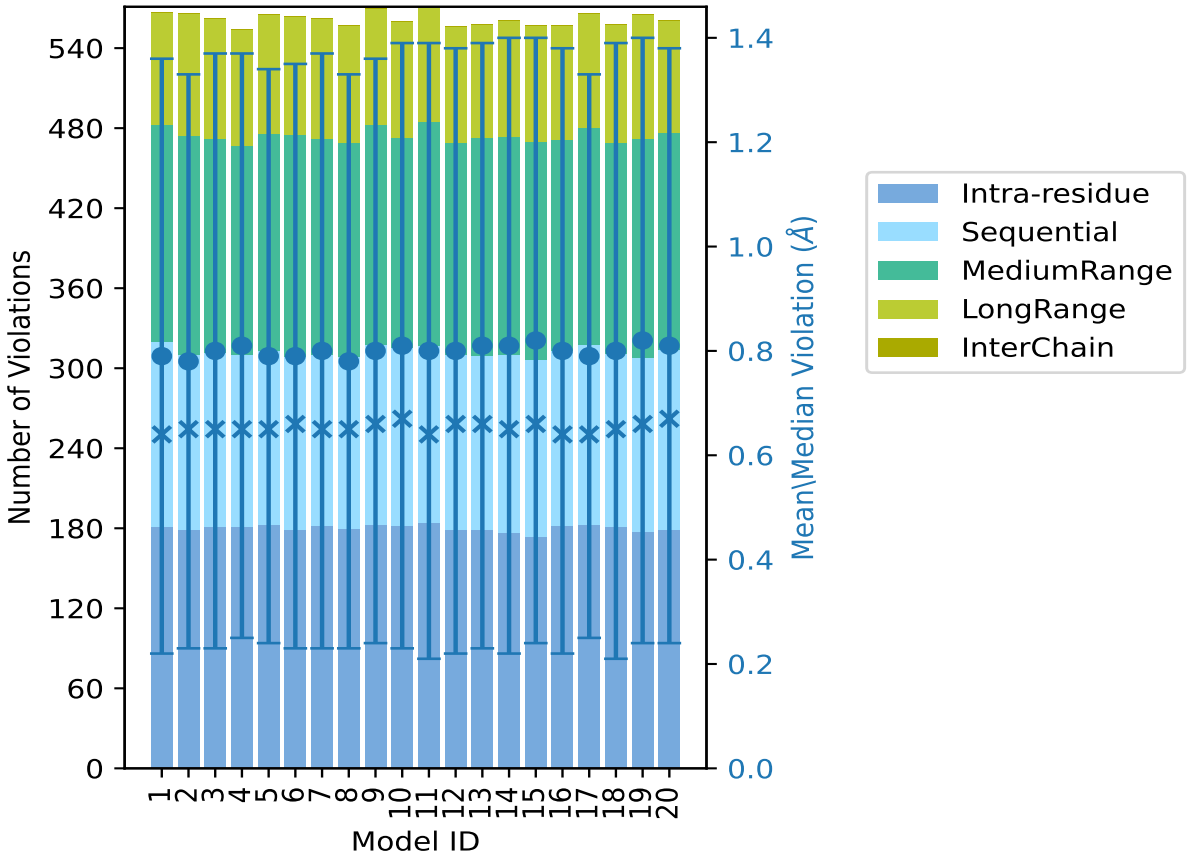
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	184	133	168	86	0	571	0.8	4.04	0.59	0.64
12	179	131	159	87	0	556	0.8	3.77	0.58	0.66
13	179	130	164	85	0	558	0.81	3.46	0.58	0.66
14	177	133	164	87	0	561	0.81	3.41	0.59	0.65
15	174	132	164	87	0	557	0.82	3.43	0.58	0.66
16	182	131	158	86	0	557	0.8	3.39	0.58	0.64
17	183	135	162	86	0	566	0.79	2.59	0.54	0.64
18	181	130	158	89	0	558	0.8	3.39	0.59	0.65
19	177	131	164	93	0	565	0.82	3.66	0.58	0.66
20	179	135	163	84	0	561	0.81	3.32	0.57	0.67

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

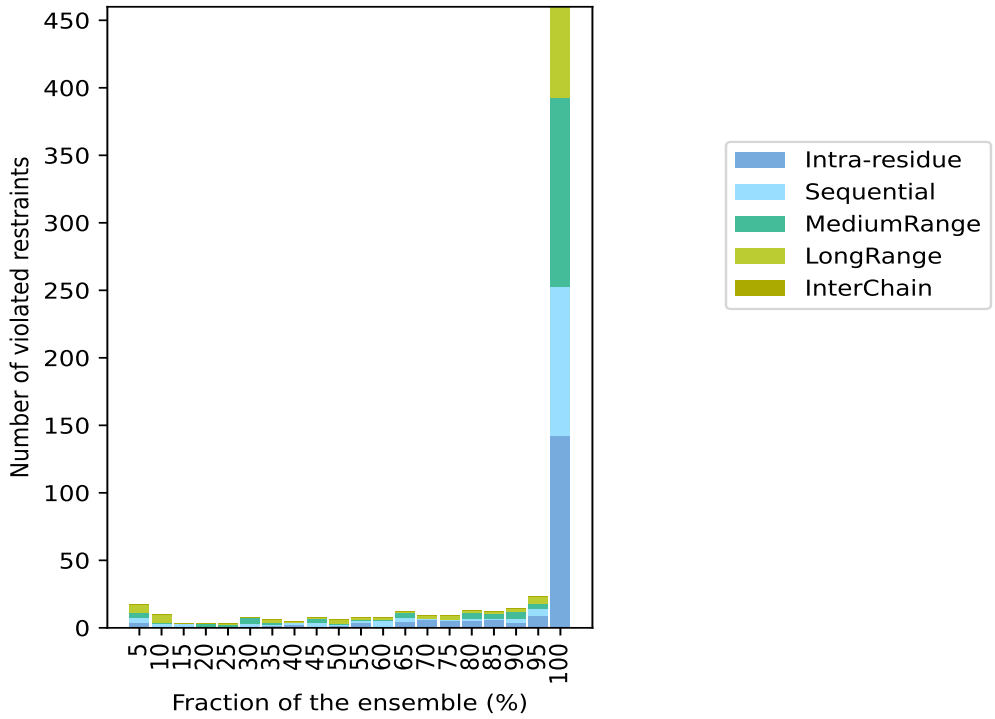
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 243(IR:45, SQ:33, MR:110, LR:55, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
4	4	3	6	0	17	1	5.0
1	2	1	6	0	10	2	10.0
1	2	0	0	0	3	3	15.0
0	1	2	0	0	3	4	20.0
1	0	1	1	0	3	5	25.0
0	3	5	0	0	8	6	30.0
2	0	2	2	0	6	7	35.0
2	2	0	1	0	5	8	40.0
1	3	3	1	0	8	9	45.0
2	0	1	3	0	6	10	50.0
4	1	1	2	0	8	11	55.0
0	5	1	2	0	8	12	60.0
5	3	3	1	0	12	13	65.0
6	1	0	2	0	9	14	70.0
5	1	0	3	0	9	15	75.0
5	2	4	2	0	13	16	80.0
6	1	3	2	0	12	17	85.0
4	3	5	2	0	14	18	90.0
9	5	4	5	0	23	19	95.0
142	111	140	67	0	460	20	100.0

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

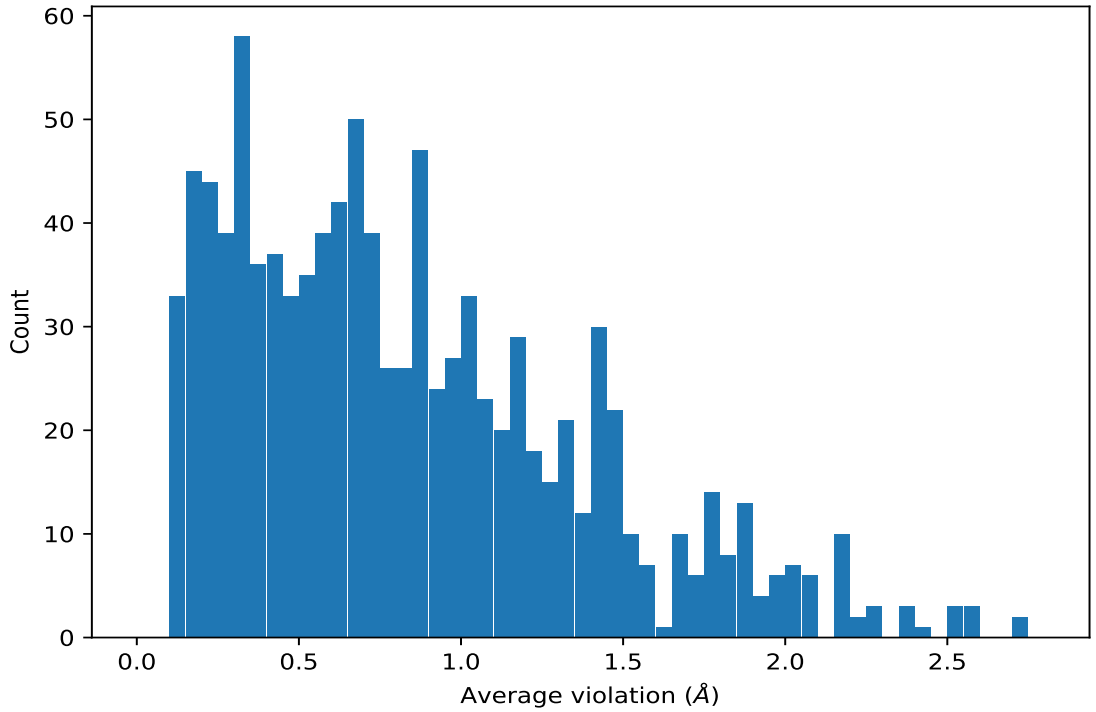
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	20	2.74	0.45	2.82
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	20	2.74	0.45	2.82
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	20	2.58	0.06	2.59
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	20	2.55	0.01	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	20	2.55	0.01	2.55
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	20	2.51	0.02	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	20	2.51	0.02	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	20	2.51	0.02	2.5
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	20	2.4	0.83	2.45
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	20	2.38	0.11	2.38
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	20	2.38	0.11	2.38
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	20	2.38	0.11	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	20	2.28	0.12	2.32
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	20	2.28	0.12	2.32
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	20	2.28	0.12	2.32
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	20	2.2	0.16	2.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	20	2.2	0.16	2.26
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	20	2.19	0.37	2.32
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	20	2.19	0.37	2.32
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	20	2.19	0.37	2.32
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	20	2.18	0.83	2.38
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	20	2.18	0.83	2.38
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	20	2.16	0.22	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	20	2.16	0.22	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	20	2.16	0.22	2.12
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	20	2.08	0.25	2.18
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	20	2.08	0.06	2.08
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	20	2.07	0.13	2.11
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	20	2.07	0.13	2.11
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	20	2.02	0.07	2.04
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	20	2.02	0.07	2.04
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	20	2.02	0.07	2.04
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	20	2.02	0.5	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	20	2.01	0.41	1.9
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	20	2.01	0.41	1.9
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	20	2.01	0.41	1.9
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	20	1.99	0.54	1.76
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	20	1.98	0.09	1.98
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	20	1.98	0.09	1.98
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	20	1.98	0.08	1.98
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	20	1.97	0.57	2.12
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	20	1.95	0.11	1.92
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	20	1.93	0.07	1.94
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	20	1.92	0.11	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	20	1.92	0.11	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	20	1.92	0.11	1.97
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	20	1.86	0.04	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	20	1.86	0.04	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	20	1.85	0.03	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	20	1.85	0.03	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	20	1.85	0.03	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	20	1.85	0.06	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	20	1.85	0.06	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	20	1.85	0.06	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	20	1.85	0.06	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	20	1.85	0.06	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	20	1.85	0.06	1.86
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	20	1.85	0.14	1.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	20	1.85	0.14	1.9
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	20	1.83	0.11	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	20	1.82	0.04	1.81
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	20	1.82	0.04	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	20	1.81	0.01	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	20	1.81	0.01	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	20	1.81	0.01	1.81
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	20	1.8	0.02	1.81
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	20	1.78	0.77	1.6
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	20	1.78	0.77	1.6
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	20	1.78	0.77	1.6
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	20	1.78	0.09	1.74
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	20	1.78	0.61	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	20	1.78	0.1	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	20	1.78	0.1	1.81
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	20	1.78	0.46	1.97
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	20	1.78	0.46	1.97
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	20	1.77	0.86	2.33
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	20	1.77	0.86	2.33
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	20	1.75	0.07	1.72
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	20	1.75	0.07	1.72
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	20	1.75	0.07	1.72
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	20	1.72	0.07	1.74
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	20	1.72	0.07	1.74
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	20	1.71	0.03	1.72
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	20	1.7	0.52	1.7
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	20	1.7	0.52	1.7
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	20	1.7	0.05	1.68
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	20	1.69	0.05	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	20	1.69	0.05	1.69
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	20	1.68	0.22	1.76
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	20	1.68	0.22	1.76
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	20	1.65	0.51	1.88
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	20	1.65	0.51	1.88
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	20	1.65	0.06	1.65
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	20	1.65	0.06	1.65
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	20	1.65	0.06	1.65
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	20	1.62	0.04	1.62
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	20	1.57	0.19	1.62
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	20	1.57	0.19	1.62
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	20	1.57	0.19	1.62
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	20	1.57	0.19	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	20	1.55	0.47	1.65
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	20	1.55	0.47	1.65
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	20	1.54	0.05	1.54
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	20	1.54	0.05	1.54
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	20	1.53	0.16	1.58
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	20	1.53	0.19	1.6
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	20	1.52	0.0	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	20	1.52	0.0	1.52
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	20	1.51	0.09	1.54
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	20	1.51	0.94	2.1
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	20	1.51	0.94	2.1
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	20	1.49	0.08	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	20	1.49	0.08	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	20	1.49	0.08	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	20	1.49	0.08	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	20	1.49	0.08	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	20	1.49	0.08	1.51
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	20	1.49	0.03	1.5
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	20	1.49	1.07	1.02
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	20	1.49	0.04	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	20	1.48	0.07	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	20	1.48	0.07	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	20	1.48	0.07	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	20	1.48	0.07	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	20	1.48	0.07	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	20	1.48	0.07	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	20	1.47	0.03	1.48
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	20	1.46	0.12	1.43
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	20	1.46	0.12	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	20	1.44	0.03	1.44
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	20	1.44	0.08	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	20	1.44	0.08	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	20	1.44	0.08	1.43
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	20	1.43	0.04	1.42
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	20	1.43	0.48	1.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	20	1.43	0.48	1.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	20	1.43	0.48	1.28
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	20	1.42	0.02	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	20	1.41	0.02	1.41
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	20	1.4	0.59	0.99
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	20	1.4	0.47	1.43
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	20	1.4	0.47	1.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	20	1.4	0.47	1.43
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	20	1.4	0.05	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	20	1.4	0.01	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	20	1.4	0.01	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	20	1.4	0.01	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	20	1.4	0.01	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	20	1.4	0.01	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	20	1.4	0.01	1.4
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	20	1.4	0.03	1.4
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	20	1.4	0.45	1.34
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	20	1.4	0.45	1.34
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	20	1.4	0.06	1.41
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	20	1.39	0.03	1.39
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	20	1.39	0.05	1.4
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	20	1.39	0.11	1.37
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	20	1.38	0.01	1.38
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	20	1.36	0.07	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	20	1.36	0.07	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	20	1.36	0.07	1.32
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	20	1.36	0.04	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	20	1.36	0.04	1.37
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	20	1.36	0.33	1.32
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	20	1.36	0.33	1.32
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	20	1.33	0.56	1.06
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	20	1.33	0.56	1.06
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	20	1.33	0.02	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	20	1.33	0.02	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	20	1.33	0.02	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	20	1.33	0.02	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	20	1.33	0.02	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	20	1.33	0.02	1.33
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	20	1.33	0.16	1.4
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	20	1.33	0.02	1.33
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	20	1.33	0.09	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	20	1.32	0.01	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	20	1.32	0.01	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	20	1.32	0.01	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	20	1.32	0.01	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	20	1.32	0.01	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	20	1.32	0.01	1.32
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	20	1.32	0.06	1.32
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	20	1.3	0.61	1.31
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	20	1.3	0.61	1.31
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	20	1.3	1.23	0.7
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	20	1.29	0.27	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	20	1.29	0.27	1.38
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	20	1.29	0.02	1.28
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	20	1.28	0.26	1.31
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	20	1.28	0.7	1.77
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	20	1.27	0.16	1.16
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	20	1.27	0.14	1.3
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	20	1.27	0.16	1.25
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	20	1.27	0.16	1.25
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	20	1.27	0.16	1.25
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	20	1.26	0.14	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	20	1.26	0.14	1.32
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	20	1.26	0.07	1.27
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	20	1.24	0.21	1.17
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	20	1.24	0.21	1.17
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	20	1.22	0.16	1.23
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	20	1.21	0.01	1.21
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	20	1.21	0.06	1.21
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	20	1.21	0.1	1.21
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	20	1.21	0.02	1.21
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	20	1.21	0.48	1.31
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	20	1.21	0.48	1.31
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	20	1.2	0.05	1.2
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	20	1.2	0.46	1.41
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	20	1.2	0.46	1.41
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	20	1.19	0.0	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	20	1.19	0.0	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	20	1.19	0.0	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.19	0.0	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.19	0.0	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.19	0.0	1.19
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	20	1.19	0.04	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	20	1.19	0.04	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	20	1.19	0.04	1.21
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	20	1.19	0.05	1.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	20	1.19	0.01	1.19
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	20	1.18	0.43	1.04
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	20	1.18	0.43	1.04
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	20	1.18	0.43	1.04
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	20	1.18	0.04	1.17
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	20	1.18	0.07	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	20	1.18	0.07	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	20	1.18	0.07	1.19
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	20	1.17	0.01	1.17
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	20	1.16	0.09	1.18
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	20	1.16	0.09	1.18
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	20	1.16	0.09	1.18
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	20	1.16	0.09	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	20	1.16	0.12	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	20	1.16	0.12	1.19
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	20	1.15	0.83	1.42
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	20	1.15	0.83	1.42
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	20	1.14	0.07	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	20	1.14	0.07	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	20	1.14	0.07	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	20	1.14	0.07	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	20	1.14	0.07	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	20	1.14	0.07	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	20	1.13	0.02	1.13
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	20	1.13	0.11	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	20	1.13	0.11	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	20	1.13	0.11	1.12
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	20	1.12	0.4	0.93
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	20	1.12	0.4	0.93
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	20	1.12	0.34	1.04
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	20	1.12	0.11	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	20	1.12	0.11	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	20	1.12	0.11	1.1
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	20	1.11	0.23	1.18
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	20	1.11	0.23	1.18
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	20	1.1	0.01	1.1
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	20	1.1	0.51	0.9
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	20	1.09	0.01	1.09
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	20	1.09	0.19	1.13
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	20	1.08	0.06	1.08
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	20	1.08	0.23	1.11
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	20	1.08	0.23	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	20	1.08	0.23	1.11
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	20	1.08	0.23	1.11
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	20	1.08	0.54	0.78
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	20	1.08	0.05	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	20	1.08	0.03	1.08
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	20	1.07	0.14	1.08
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	20	1.07	0.14	1.08
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	20	1.07	0.14	1.08
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	20	1.07	0.14	1.08
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	20	1.07	0.14	1.08
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	20	1.07	0.14	1.08
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	20	1.07	0.06	1.08
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	20	1.06	0.03	1.07
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	20	1.06	0.05	1.07
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	20	1.06	0.59	0.57
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	20	1.06	0.1	1.12
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	20	1.05	0.3	1.2
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	20	1.05	0.63	0.65
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	20	1.04	0.1	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	20	1.03	0.06	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	20	1.03	0.06	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	20	1.03	0.06	1.04
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	20	1.02	0.17	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	20	1.02	0.17	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	20	1.02	0.17	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	20	1.02	0.02	1.02
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	20	1.01	0.17	0.96
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	20	1.01	0.17	0.96
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	20	1.01	0.09	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	20	1.01	0.09	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	20	1.01	0.09	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	20	1.0	0.04	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	20	1.0	0.04	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	20	1.0	0.04	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	20	1.0	0.04	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	20	1.0	0.04	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	20	1.0	0.04	1.02
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	20	1.0	0.28	0.93
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	20	1.0	0.28	0.93
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	20	1.0	0.07	1.01
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	20	1.0	0.07	1.01
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	20	1.0	0.07	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	20	0.99	0.04	1.0
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	20	0.99	0.1	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	20	0.99	0.1	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	20	0.99	0.1	0.98
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	20	0.99	0.03	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	20	0.99	0.02	1.0
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	20	0.99	0.1	1.01
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	20	0.98	0.16	0.98
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	20	0.97	0.06	0.95
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	20	0.96	0.08	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	20	0.96	0.08	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	20	0.96	0.08	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	20	0.96	0.08	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	20	0.96	0.08	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	20	0.96	0.08	0.94
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	20	0.95	0.06	0.96
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	20	0.95	0.07	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	20	0.95	0.02	0.96
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	20	0.95	0.03	0.96
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	20	0.95	0.03	0.96
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	20	0.95	0.03	0.96
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	20	0.95	0.07	0.95
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	20	0.95	0.21	1.02
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	20	0.94	0.12	0.97
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	20	0.94	0.4	1.22
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	20	0.93	0.02	0.94
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	20	0.92	0.04	0.92
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	20	0.92	0.09	0.92
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	20	0.92	0.1	0.96
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	20	0.92	0.02	0.92
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	20	0.92	0.18	0.89
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	20	0.92	0.18	0.89
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	20	0.92	0.18	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	20	0.92	0.04	0.91
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	20	0.92	0.04	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	20	0.92	0.02	0.92
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	20	0.91	0.39	0.79
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	20	0.9	0.06	0.9
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	20	0.9	0.06	0.9
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	20	0.9	0.06	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	20	0.9	0.01	0.9
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	20	0.9	0.07	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	20	0.9	0.07	0.9
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	20	0.9	0.07	0.9
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	20	0.9	0.05	0.9
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	20	0.9	0.1	0.88
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	20	0.89	0.03	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	20	0.89	0.03	0.9
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	20	0.89	0.08	0.9
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	20	0.89	0.08	0.9
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	20	0.89	0.08	0.9
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	20	0.89	0.15	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	20	0.89	0.15	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	20	0.89	0.15	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	20	0.89	0.15	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	20	0.89	0.15	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	20	0.89	0.15	0.93
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	20	0.88	0.04	0.88
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	20	0.88	0.04	0.88
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	20	0.88	0.04	0.88
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	20	0.88	0.44	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	20	0.88	0.44	0.64
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	20	0.88	0.02	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	20	0.88	0.02	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	20	0.88	0.02	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	20	0.88	0.02	0.87
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	20	0.88	0.42	0.62
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	20	0.87	0.13	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	20	0.87	0.13	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	20	0.87	0.13	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	20	0.87	0.13	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	20	0.87	0.13	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	20	0.87	0.13	0.82
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	20	0.87	0.06	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	20	0.87	0.01	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	20	0.87	0.01	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	20	0.87	0.01	0.87
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	20	0.87	0.06	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	20	0.86	0.01	0.86
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	20	0.86	0.01	0.86
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	20	0.86	0.03	0.87
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	20	0.86	0.33	0.94
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	20	0.86	0.33	0.94
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	20	0.86	0.4	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	20	0.86	0.4	0.57
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	20	0.85	0.2	0.86
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	20	0.85	0.2	0.86
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	20	0.85	0.2	0.86
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	20	0.85	0.2	0.86
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	20	0.85	0.2	0.86
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	20	0.85	0.2	0.86
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	20	0.84	0.08	0.86
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	20	0.84	0.02	0.83
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	20	0.83	0.02	0.83
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	20	0.83	0.02	0.83
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	20	0.83	0.02	0.83
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	20	0.83	0.02	0.83
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	20	0.83	0.52	0.86
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	20	0.82	0.09	0.82
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	20	0.82	0.09	0.82
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	20	0.82	0.06	0.82
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	20	0.82	0.41	0.99
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	20	0.81	0.01	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	20	0.81	0.01	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	20	0.81	0.01	0.81
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	20	0.81	0.01	0.82
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	20	0.8	0.04	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	20	0.8	0.02	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	20	0.8	0.02	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	20	0.8	0.02	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	20	0.8	0.02	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	20	0.8	0.02	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	20	0.8	0.02	0.79
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	20	0.8	0.09	0.75
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	20	0.79	0.0	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	20	0.79	0.0	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	20	0.79	0.0	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	20	0.79	0.01	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	20	0.79	0.04	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	20	0.79	0.04	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	20	0.79	0.04	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	20	0.79	0.04	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	20	0.79	0.04	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	20	0.79	0.04	0.8
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	20	0.77	0.09	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	20	0.77	0.09	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	20	0.77	0.09	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	20	0.77	0.09	0.76
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	20	0.76	0.08	0.74
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	20	0.76	0.06	0.78
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	20	0.76	0.01	0.75
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	20	0.75	0.14	0.8
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	20	0.75	0.03	0.76
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	20	0.74	0.39	0.88
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	20	0.74	0.39	0.88
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	20	0.74	0.39	0.88
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	20	0.74	0.03	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	20	0.74	0.02	0.74
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	20	0.74	0.08	0.71
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	20	0.74	0.08	0.71
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	20	0.74	0.08	0.71
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	20	0.73	0.02	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	20	0.73	0.01	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	20	0.73	0.01	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	20	0.73	0.01	0.72
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	20	0.73	0.08	0.73
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	20	0.72	0.04	0.73
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	20	0.72	0.08	0.72
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	20	0.72	0.08	0.72
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	20	0.72	0.61	0.5
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	20	0.72	0.61	0.5
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	20	0.72	0.61	0.5
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	20	0.72	0.12	0.78
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	20	0.72	0.14	0.69
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	20	0.72	0.1	0.76
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	20	0.72	0.1	0.76
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	20	0.72	0.02	0.72
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	20	0.72	0.2	0.79
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	20	0.72	0.01	0.72
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	20	0.72	0.09	0.71
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	20	0.71	0.33	0.62
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	20	0.7	0.15	0.64
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	20	0.7	0.15	0.64
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	20	0.7	0.15	0.64
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	20	0.7	0.11	0.72
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	20	0.69	0.02	0.69
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	20	0.69	0.03	0.68
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	20	0.69	0.05	0.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	20	0.69	0.0	0.69
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	20	0.69	0.35	0.62
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	20	0.68	0.08	0.67
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	20	0.68	0.08	0.66
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	20	0.68	0.14	0.68
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	20	0.68	0.14	0.68
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	20	0.68	0.14	0.68
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	20	0.68	0.04	0.69
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	20	0.67	0.37	0.62
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	20	0.67	0.14	0.64
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	20	0.67	0.14	0.64
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	20	0.67	0.03	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	20	0.67	0.03	0.67
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	20	0.67	0.02	0.67
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	20	0.67	0.03	0.66
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	20	0.67	0.02	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	20	0.67	0.02	0.67
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	20	0.66	0.03	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	20	0.66	0.03	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	20	0.66	0.03	0.66
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	20	0.66	0.1	0.68
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	20	0.66	0.01	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	20	0.66	0.01	0.66
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	20	0.66	0.02	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	20	0.66	0.04	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	20	0.66	0.04	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	20	0.66	0.04	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	20	0.66	0.02	0.66
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	20	0.65	0.03	0.64
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	20	0.65	0.17	0.71
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	20	0.65	0.03	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	20	0.65	0.03	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	20	0.65	0.03	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	20	0.65	0.03	0.64
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	20	0.64	0.06	0.62
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	20	0.64	0.06	0.62
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	20	0.64	0.06	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	20	0.64	0.01	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	20	0.64	0.01	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	20	0.64	0.01	0.64
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	20	0.64	0.02	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	20	0.64	0.02	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	20	0.64	0.02	0.63
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	20	0.62	0.05	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	20	0.62	0.05	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	20	0.62	0.05	0.64
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	20	0.62	0.03	0.62
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	20	0.62	0.02	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	20	0.62	0.01	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	20	0.62	0.01	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	20	0.62	0.03	0.61
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	20	0.61	0.07	0.59
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	20	0.61	0.0	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	20	0.61	0.0	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	20	0.61	0.01	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	20	0.61	0.01	0.61
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	20	0.61	0.42	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	20	0.61	0.06	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	20	0.61	0.06	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	20	0.61	0.06	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	20	0.61	0.06	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	20	0.61	0.06	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	20	0.61	0.06	0.6
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	20	0.61	0.01	0.61
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	20	0.6	0.05	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	20	0.6	0.08	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	20	0.6	0.01	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	20	0.59	0.01	0.59
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	20	0.59	0.05	0.58
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	20	0.59	0.05	0.58
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	20	0.59	0.04	0.57
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	20	0.59	0.1	0.57
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	20	0.58	0.01	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	20	0.58	0.0	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	20	0.58	0.01	0.58
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	20	0.58	0.07	0.57
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	20	0.58	0.06	0.56
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	20	0.57	0.09	0.58
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	20	0.57	0.18	0.55
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	20	0.56	0.07	0.56
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	20	0.56	0.52	0.19
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	20	0.56	0.03	0.56
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	20	0.56	0.12	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	20	0.56	0.12	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	20	0.56	0.12	0.52
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	20	0.56	0.02	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	20	0.56	0.01	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	20	0.56	0.01	0.56
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	20	0.56	0.05	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	20	0.56	0.05	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	20	0.56	0.05	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	20	0.55	0.01	0.55
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	20	0.55	0.08	0.58
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	20	0.55	0.15	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	20	0.55	0.15	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	20	0.55	0.15	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	20	0.55	0.01	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	20	0.55	0.01	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	20	0.55	0.01	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	20	0.55	0.01	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	20	0.55	0.01	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	20	0.55	0.01	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	20	0.55	0.01	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	20	0.55	0.02	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	20	0.55	0.02	0.54
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	20	0.54	0.04	0.52
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	20	0.54	0.1	0.51
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	20	0.54	0.01	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	20	0.54	0.01	0.54
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	20	0.53	0.11	0.53
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	20	0.53	0.03	0.54
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	20	0.53	0.04	0.54
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	20	0.53	0.04	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	20	0.53	0.04	0.54
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	20	0.53	0.04	0.54
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	20	0.53	0.04	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	20	0.53	0.2	0.55
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	20	0.53	0.2	0.55
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	20	0.53	0.16	0.52
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	20	0.53	0.16	0.52
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	20	0.53	0.16	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	0.52	0.04	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	0.52	0.04	0.51
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	20	0.52	0.13	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	20	0.52	0.13	0.57
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	20	0.52	0.03	0.52
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	20	0.51	0.12	0.5
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	20	0.51	0.02	0.51
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	20	0.5	0.12	0.54
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	20	0.5	0.12	0.54
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	20	0.5	0.12	0.54
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	20	0.49	0.01	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	20	0.49	0.01	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	20	0.49	0.01	0.49
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	20	0.49	0.03	0.48
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	20	0.48	0.04	0.48
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	20	0.48	0.04	0.48
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	20	0.48	0.09	0.5
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	20	0.47	0.0	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	20	0.47	0.0	0.47
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	20	0.47	0.02	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	20	0.47	0.02	0.48
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	20	0.47	0.1	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	20	0.47	0.1	0.54
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	20	0.47	0.08	0.45
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	20	0.46	0.01	0.46
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	20	0.46	0.3	0.24
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	20	0.46	0.04	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	20	0.46	0.04	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	20	0.46	0.04	0.46
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	20	0.45	0.02	0.46
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	20	0.45	0.06	0.44
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	20	0.45	0.08	0.46
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	20	0.45	0.02	0.44
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	20	0.44	0.13	0.52
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	20	0.44	0.04	0.44
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	20	0.44	0.1	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	20	0.44	0.1	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	0.44	0.03	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	20	0.44	0.03	0.43
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	20	0.43	0.08	0.38
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	20	0.43	0.09	0.44
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	20	0.43	0.1	0.47
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	20	0.43	0.1	0.47
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	20	0.43	0.02	0.42
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	20	0.42	0.05	0.44
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	20	0.42	0.06	0.42
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	20	0.42	0.12	0.4
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	20	0.42	0.01	0.41
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	20	0.41	0.04	0.43
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	20	0.41	0.11	0.44
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	20	0.41	0.11	0.44
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	20	0.41	0.01	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	20	0.41	0.01	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	20	0.41	0.01	0.41
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	20	0.41	0.18	0.38
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	20	0.4	0.01	0.4
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	20	0.4	0.1	0.44
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	20	0.4	0.1	0.44
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	20	0.4	0.02	0.4
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	20	0.4	0.02	0.4
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	20	0.4	0.02	0.4
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	20	0.4	0.04	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	20	0.39	0.01	0.39
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	20	0.39	0.14	0.38
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	20	0.39	0.14	0.38
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	20	0.39	0.25	0.34
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	20	0.39	0.25	0.34
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	20	0.39	0.25	0.34
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	20	0.39	0.06	0.39
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	20	0.39	0.06	0.39
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	20	0.39	0.05	0.38
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	20	0.38	0.05	0.38
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	20	0.38	0.17	0.5
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	20	0.38	0.03	0.38
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	20	0.38	0.02	0.38
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	20	0.38	0.11	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	20	0.38	0.11	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	20	0.38	0.11	0.35
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	20	0.37	0.06	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	20	0.37	0.04	0.36
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	20	0.36	0.02	0.36
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	20	0.36	0.06	0.36
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	20	0.36	0.13	0.37
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	20	0.36	0.1	0.36
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	20	0.36	0.1	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	20	0.35	0.01	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	20	0.35	0.04	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	20	0.35	0.04	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	20	0.35	0.04	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	20	0.35	0.04	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	20	0.35	0.04	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	20	0.35	0.04	0.36
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	20	0.35	0.06	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	20	0.35	0.06	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	20	0.35	0.06	0.33
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	20	0.35	0.11	0.3
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	20	0.34	0.01	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	20	0.34	0.01	0.34
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	20	0.34	0.02	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	20	0.33	0.01	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	20	0.33	0.01	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	20	0.33	0.01	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	20	0.33	0.01	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	20	0.33	0.01	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	20	0.33	0.01	0.33
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	20	0.33	0.03	0.34
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	20	0.33	0.03	0.34
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	20	0.33	0.03	0.34
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	20	0.33	0.05	0.33
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	20	0.33	0.1	0.36
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	20	0.32	0.02	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	20	0.32	0.02	0.32
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	20	0.32	0.12	0.34
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	20	0.32	0.06	0.32
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	20	0.32	0.06	0.32
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	20	0.32	0.26	0.2
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	20	0.32	0.01	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	20	0.32	0.01	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	20	0.32	0.05	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	20	0.32	0.05	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	20	0.32	0.02	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	20	0.32	0.02	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	20	0.32	0.02	0.32
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	20	0.31	0.04	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	20	0.31	0.04	0.31
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	20	0.31	0.03	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	20	0.31	0.04	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	20	0.31	0.0	0.31
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	20	0.31	0.1	0.27
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	20	0.31	0.1	0.27
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	20	0.31	0.1	0.27
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	20	0.3	0.06	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	20	0.3	0.06	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	20	0.3	0.06	0.3
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	20	0.3	0.07	0.26
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	20	0.3	0.1	0.29
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	20	0.3	0.1	0.29
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	20	0.3	0.02	0.3
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	20	0.29	0.07	0.26
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	20	0.29	0.01	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	20	0.29	0.01	0.29
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	20	0.28	0.01	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	20	0.28	0.01	0.28
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	20	0.28	0.04	0.27
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	20	0.28	0.04	0.27
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	20	0.28	0.04	0.28
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	20	0.28	0.05	0.28
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	20	0.27	0.07	0.29
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	20	0.27	0.01	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	20	0.27	0.01	0.27
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	20	0.27	0.08	0.24
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	20	0.27	0.02	0.27
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	20	0.27	0.02	0.27
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	20	0.26	0.07	0.24
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	20	0.25	0.06	0.26
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	20	0.25	0.02	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	20	0.23	0.0	0.23
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	20	0.23	0.06	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	20	0.23	0.06	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	20	0.23	0.02	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	20	0.23	0.01	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	20	0.23	0.01	0.23
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	20	0.23	0.03	0.22
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	20	0.23	0.03	0.22
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	20	0.22	0.02	0.22
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	20	0.22	0.02	0.21
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	20	0.22	0.02	0.21
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	20	0.21	0.02	0.22
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	20	0.21	0.05	0.21
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	20	0.21	0.05	0.21
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	20	0.21	0.02	0.2
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	20	0.2	0.03	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	20	0.2	0.0	0.2
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	20	0.2	0.04	0.18
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	20	0.2	0.04	0.18
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	20	0.2	0.04	0.18
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	20	0.19	0.03	0.18
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	20	0.19	0.04	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	20	0.18	0.02	0.18
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	20	0.17	0.08	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	20	0.17	0.08	0.16
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	20	0.15	0.02	0.16
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	20	0.15	0.02	0.16
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	20	0.15	0.0	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	20	0.14	0.0	0.14
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	20	0.13	0.01	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	20	0.12	0.01	0.12
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	19	1.02	0.54	1.35
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	19	1.01	0.8	0.31
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	19	0.95	0.52	1.38
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	19	0.61	0.52	0.54
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	19	0.61	0.52	0.54
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	19	0.53	0.31	0.62
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	19	0.53	0.31	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	19	0.53	0.31	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	19	0.53	0.31	0.62
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	19	0.53	0.29	0.34
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	19	0.42	0.05	0.42
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	19	0.42	0.05	0.42
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	19	0.33	0.0	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	19	0.31	0.1	0.3
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	19	0.31	0.1	0.3
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	19	0.31	0.1	0.3
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	19	0.3	0.09	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	19	0.3	0.06	0.32
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	19	0.3	0.06	0.33
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	19	0.27	0.08	0.27
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	19	0.27	0.08	0.27
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	19	0.27	0.08	0.27
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	19	0.27	0.12	0.16
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	19	0.25	0.05	0.25
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	19	0.23	0.2	0.17
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	19	0.22	0.06	0.23
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	19	0.21	0.09	0.21
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	19	0.19	0.06	0.17
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	19	0.18	0.03	0.18
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	19	0.18	0.04	0.17
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	19	0.15	0.03	0.14
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	18	1.82	0.21	1.74
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	18	1.35	0.1	1.36
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	18	1.27	0.09	1.3
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	18	0.9	0.54	1.21
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	18	0.7	0.44	0.6
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	18	0.7	0.44	0.6
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	18	0.7	0.44	0.6
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	18	0.7	0.44	0.6
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	18	0.49	0.08	0.5
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	18	0.48	0.05	0.46
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	18	0.45	0.07	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	18	0.45	0.07	0.47
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	18	0.31	0.09	0.29
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	18	0.31	0.09	0.29
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	18	0.25	0.1	0.24
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	18	0.25	0.08	0.23
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	18	0.24	0.07	0.24
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	18	0.14	0.02	0.14
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	18	0.14	0.02	0.14
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	17	0.81	0.27	0.84
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	17	0.62	0.33	0.54
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	17	0.62	0.33	0.54
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	17	0.53	0.23	0.57
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	17	0.53	0.23	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	17	0.48	0.15	0.51
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	17	0.48	0.15	0.51
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	17	0.43	0.35	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	17	0.43	0.35	0.36
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	17	0.25	0.08	0.27
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	17	0.25	0.08	0.27
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	17	0.18	0.05	0.17
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	17	0.17	0.06	0.16
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	17	0.17	0.06	0.16
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	17	0.17	0.06	0.16
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	17	0.15	0.03	0.15
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	17	0.12	0.01	0.12
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	17	0.12	0.01	0.11
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	16	1.69	0.93	1.86
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	16	1.19	1.09	0.67
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	16	0.88	0.27	0.99
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	16	0.67	0.21	0.6
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	16	0.48	0.1	0.45
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	16	0.33	0.23	0.36
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	16	0.32	0.12	0.37
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	16	0.24	0.13	0.23
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	16	0.19	0.07	0.2
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	16	0.19	0.07	0.2
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	16	0.16	0.02	0.17
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	16	0.14	0.01	0.13
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	16	0.14	0.03	0.14
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	15	1.57	1.12	1.59
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	15	0.78	0.38	0.86
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	15	0.78	0.03	0.79
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	15	0.65	0.33	0.54
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	15	0.57	0.3	0.58
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	15	0.17	0.06	0.13
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	15	0.13	0.02	0.13
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	15	0.13	0.02	0.13
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	15	0.11	0.01	0.11
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	14	1.5	0.07	1.53
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	14	1.01	0.41	1.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	14	0.96	0.12	0.99
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	14	0.83	0.24	0.88
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	14	0.79	0.17	0.9
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	14	0.7	0.22	0.8
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	14	0.7	0.22	0.8
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	14	0.7	0.22	0.8
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	14	0.19	0.19	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	14	0.19	0.19	0.11
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	14	0.17	0.04	0.18
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	14	0.16	0.05	0.14
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	13	1.46	0.01	1.46
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	13	1.28	0.75	1.01
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	13	0.85	0.27	0.97
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	13	0.69	0.27	0.82
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	13	0.69	0.27	0.82
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	13	0.52	0.0	0.52
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	13	0.46	0.13	0.49
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	13	0.44	0.25	0.5
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	13	0.44	0.25	0.5
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	13	0.29	0.05	0.26
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	13	0.24	0.1	0.23
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	13	0.23	0.09	0.23
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	13	0.18	0.06	0.16
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	13	0.16	0.04	0.14
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	12	1.03	0.06	1.06
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	12	1.01	0.17	0.96
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	12	1.01	0.17	0.96
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	12	0.82	0.11	0.82
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	12	0.65	0.39	0.65
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	12	0.65	0.39	0.65
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	12	0.65	0.39	0.65
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	12	0.23	0.04	0.24
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	12	0.23	0.04	0.24
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	12	0.19	0.04	0.2
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	12	0.17	0.02	0.18
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	12	0.17	0.02	0.18
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	12	0.17	0.02	0.18
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	12	0.17	0.06	0.16
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	11	2.05	0.59	2.21
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	11	1.15	0.22	1.16
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	11	1.01	0.06	1.0
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	11	0.65	0.3	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	11	0.52	0.14	0.4
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	11	0.41	0.02	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	11	0.41	0.02	0.42
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	11	0.22	0.07	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	11	0.21	0.02	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	11	0.21	0.02	0.21
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	10	2.19	0.02	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	10	2.19	0.02	2.2
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	10	1.03	0.12	1.06
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	10	1.03	0.12	1.06
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	10	0.99	0.06	1.0
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	10	0.75	0.11	0.71
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	10	0.16	0.05	0.16
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	10	0.16	0.05	0.16
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	10	0.16	0.05	0.16
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	10	0.14	0.02	0.14
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	9	2.05	0.53	2.22
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	9	0.79	0.07	0.76
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	9	0.35	0.07	0.32
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	9	0.35	0.07	0.32
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	9	0.32	0.07	0.3
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	9	0.25	0.0	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	9	0.25	0.0	0.25
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	9	0.15	0.03	0.13
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	9	0.15	0.03	0.13
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	9	0.14	0.02	0.13
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	9	0.14	0.02	0.13
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	8	0.99	0.03	1.0
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	8	0.19	0.01	0.19
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	8	0.12	0.01	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	8	0.12	0.01	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	8	0.12	0.01	0.12
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	8	0.12	0.03	0.11
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	8	0.12	0.01	0.12
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	8	0.12	0.01	0.12
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	7	0.21	0.06	0.24
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	7	0.21	0.06	0.24
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	7	0.2	0.13	0.15
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	7	0.2	0.13	0.15
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	7	0.2	0.05	0.21
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	7	0.2	0.05	0.21
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	7	0.1	0.0	0.1

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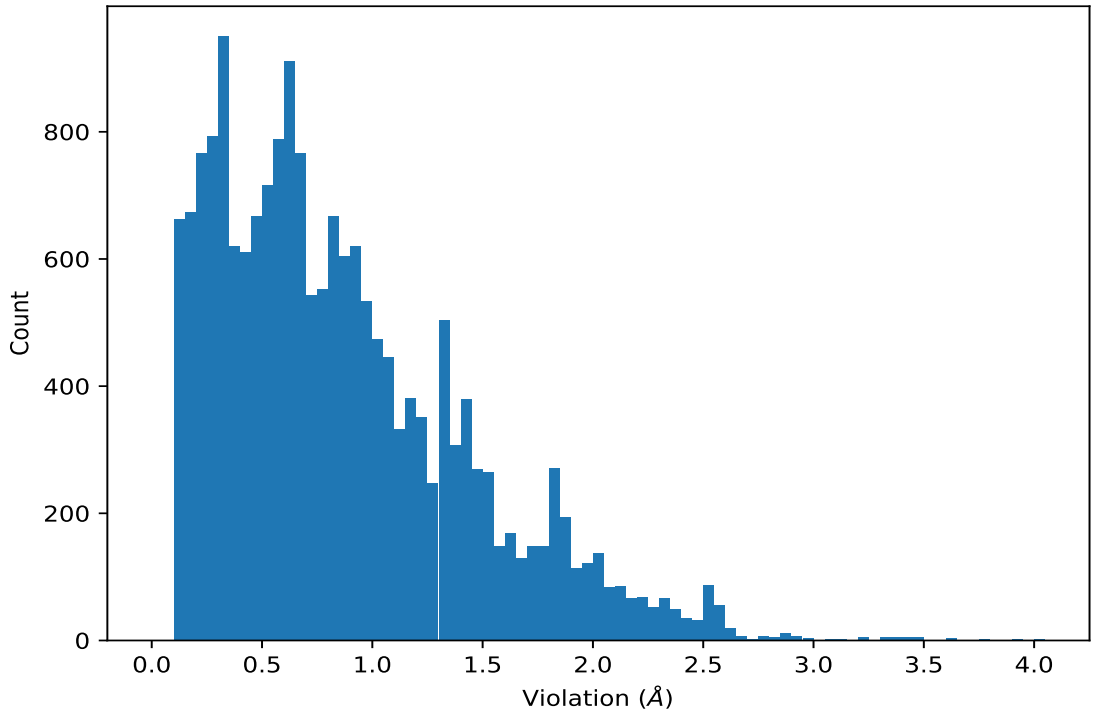
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	6	1.47	0.04	1.46
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	6	0.24	0.04	0.23
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	6	0.24	0.04	0.23
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	6	0.2	0.04	0.2
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	6	0.2	0.04	0.2
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	6	0.19	0.07	0.16
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	6	0.18	0.1	0.14
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	6	0.18	0.1	0.14
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	6	0.18	0.1	0.14
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	6	0.14	0.05	0.13
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	5	0.25	0.01	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	5	0.25	0.01	0.24
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	5	0.16	0.04	0.15
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	5	0.11	0.01	0.1
(1,487)	1:24:A:ARG:HB3	1:25:A:ASN:H	4	0.2	0.08	0.19
(1,771)	1:13:A:GLU:O	1:16:A:LYS:N	4	0.17	0.02	0.18
(1,852)	1:13:A:GLU:O	1:16:A:LYS:N	4	0.17	0.02	0.18
(1,31)	1:24:A:ARG:HG2	1:25:A:ASN:HD21	3	0.48	0.18	0.54
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE2	3	0.25	0.22	0.1
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE3	3	0.25	0.22	0.1
(1,133)	1:8:A:HIS:HB3	1:9:A:GLY:H	3	0.12	0.01	0.12
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD2	2	1.46	0.01	1.46
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD3	2	1.46	0.01	1.46
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG21	2	1.23	0.06	1.23
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG22	2	1.23	0.06	1.23
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG23	2	1.23	0.06	1.23
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG21	2	1.23	0.06	1.23
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG22	2	1.23	0.06	1.23
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG23	2	1.23	0.06	1.23
(1,696)	1:16:A:LYS:HB2	1:17:A:SER:H	2	0.78	0.01	0.78
(1,696)	1:16:A:LYS:HB3	1:17:A:SER:H	2	0.78	0.01	0.78
(1,251)	1:36:A:THR:HA	1:38:A:GLY:H	2	0.49	0.33	0.49
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD11	2	0.33	0.02	0.33
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD12	2	0.33	0.02	0.33
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD13	2	0.33	0.02	0.33
(1,685)	1:5:A:ASP:HB3	1:34:A:LYS:H	2	0.3	0.05	0.3
(1,644)	1:5:A:ASP:H	1:35:A:LYS:HB3	2	0.24	0.08	0.24
(1,9)	1:6:A:ARG:HD3	1:32:A:ASN:HA	2	0.11	0.0	0.11
(1,804)	1:12:A:CYS:SG	1:33:A:CYS:CB	2	0.11	0.0	0.11
(1,138)	1:12:A:CYS:HB3	1:36:A:THR:HA	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	11	4.04
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	11	4.04
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	11	3.94
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	11	3.94
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	11	3.94
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	12	3.77
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	12	3.77
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	19	3.66
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	10	3.64
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	3	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	3	3.62
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	7	3.6
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	11	3.53
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	1	3.49
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	3	3.46
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	3	3.46
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	3	3.46
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	13	3.46
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	8	3.43
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	8	3.43
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	15	3.43
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	12	3.42
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	14	3.41
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	16	3.39
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	18	3.39
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	18	3.38
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	16	3.37
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	2	3.37
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	20	3.32
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	20	3.32
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	15	3.31
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	13	3.3
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	14	3.3
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	19	3.23
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	19	3.23
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	9	3.21
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	13	3.2
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	13	3.2
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	15	3.19
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	13	3.11
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	13	3.11
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	13	3.11
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	19	3.06
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	19	3.06
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	19	3.03
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	18	2.97
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	10	2.96
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	10	2.96
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	1	2.95
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	4	2.94
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	4	2.94
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	15	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	15	2.92
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	4	2.92
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	18	2.9
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	18	2.9
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	20	2.89
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	20	2.89
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	20	2.89
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	10	2.89
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	14	2.88
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	14	2.88
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	14	2.86
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	14	2.86
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	14	2.86
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	2	2.86
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	5	2.85
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	14	2.84
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	7	2.83
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	7	2.83
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	5	2.82
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	5	2.82
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	14	2.82
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	1	2.78
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	1	2.78
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	20	2.78
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	2	2.75
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	2	2.75
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	7	2.75
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	18	2.75
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	13	2.71
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	14	2.71
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	6	2.67
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	6	2.67
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	1	2.67
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	6	2.67
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	11	2.66
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	9	2.65
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	9	2.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	10	2.64
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	10	2.64
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	10	2.64
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	4	2.64
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	13	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	19	2.63
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	19	2.63
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	19	2.63
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	10	2.63
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	1	2.63
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	4	2.63
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	12	2.63
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	8	2.62
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	18	2.62
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	9	2.61
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	14	2.6
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	16	2.6
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	19	2.6
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	19	2.6
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	17	2.59
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	17	2.59
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	17	2.59
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	1	2.59
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	3	2.59
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	11	2.59
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	15	2.59
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	7	2.58
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	4	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	4	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	10	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	10	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	13	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	13	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	15	2.57
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	15	2.57
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	5	2.57
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	6	2.57
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	3	2.57
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	4	2.56
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	4	2.56
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	4	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	3	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	3	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	6	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	6	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	9	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	9	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	14	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	14	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	20	2.56
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	20	2.56
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	15	2.56
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	16	2.56
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	6	2.55
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	6	2.55
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	6	2.55
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	19	2.55
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	19	2.55
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	19	2.55
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	1	2.55
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	1	2.55
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	1	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	2	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	2	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	7	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	7	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	11	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	11	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	16	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	16	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	18	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	18	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	19	2.55
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	19	2.55
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	17	2.55
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	18	2.54
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	18	2.54
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	18	2.54
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	17	2.54
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	17	2.54
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	17	2.54
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	12	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	5	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	5	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	8	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	8	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	12	2.54
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	12	2.54
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	5	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	5	2.54
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	8	2.54
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	16	2.54
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	16	2.53
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	16	2.53
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	7	2.53
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	7	2.53
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	7	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	8	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	8	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	8	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	18	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	18	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	18	2.53
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	1	2.53
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	1	2.53
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD1	17	2.53
(1,295)	1:18:A:PHE:HA	1:18:A:PHE:HD2	17	2.53
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	7	2.53
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	7	2.53
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	15	2.52
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	15	2.52
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	15	2.52
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	20	2.52
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	20	2.52
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	20	2.52
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	2	2.52
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	10	2.52
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	13	2.52
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	20	2.52
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	1	2.52
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	20	2.52
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	12	2.51
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	12	2.51
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	12	2.51
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	17	2.51
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	17	2.51
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	20	2.51
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	20	2.51
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	20	2.51
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	10	2.51
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	10	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	10	2.51
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	2	2.51
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	2	2.51
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	2	2.51
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	19	2.51
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	19	2.51
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	19	2.51
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	3	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	3	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	3	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	6	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	6	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	6	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	9	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	9	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	9	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	10	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	10	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	10	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	11	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	11	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	11	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	12	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	12	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	12	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	13	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	13	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	13	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	16	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	16	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	16	2.5
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	16	2.5
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	5	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	5	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	5	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	14	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	14	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	14	2.49
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	4	2.48
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	4	2.48
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	4	2.48
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	19	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	19	2.48
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	19	2.48
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	6	2.47
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	6	2.47
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	20	2.47
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	20	2.47
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	20	2.47
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD11	7	2.47
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD12	7	2.47
(1,448)	1:8:A:HIS:HB2	1:11:A:ILE:HD13	7	2.47
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	2	2.46
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	2	2.46
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	2	2.46
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	17	2.46
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	17	2.46
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	12	2.45
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	12	2.45
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	12	2.45
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	17	2.45
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	17	2.45
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	17	2.45
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	17	2.45
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	5	2.44
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	5	2.44
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	7	2.44
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	7	2.44
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	10	2.44
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	10	2.44
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	10	2.44
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	9	2.43
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	9	2.43
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	9	2.43
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	6	2.43
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	6	2.43
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	6	2.43
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	9	2.43
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	1	2.43
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	1	2.43
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	20	2.43
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	20	2.43
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	15	2.43
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	15	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	15	2.43
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	16	2.42
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	16	2.42
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	6	2.42
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	6	2.42
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	1	2.41
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	1	2.41
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	1	2.41
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	18	2.41
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	18	2.41
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	11	2.4
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	11	2.4
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	11	2.4
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	13	2.4
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	13	2.4
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	13	2.4
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	5	2.39
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	5	2.39
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	5	2.39
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	8	2.39
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	8	2.39
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	8	2.39
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	1	2.39
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	1	2.39
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	11	2.39
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	7	2.38
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	7	2.38
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	7	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	3	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	3	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	3	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	6	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	6	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	6	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	13	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	13	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	13	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	15	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	15	2.38
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	15	2.38
(1,205)	1:4:A:SER:H	1:34:A:LYS:HB2	20	2.38
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	12	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	20	2.37
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	20	2.37
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	20	2.37
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	14	2.37
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	8	2.37
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	8	2.37
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	15	2.37
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	15	2.37
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	12	2.37
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	12	2.37
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	12	2.37
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	3	2.36
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	3	2.36
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	11	2.36
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	11	2.36
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	4	2.35
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	4	2.35
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	4	2.35
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	9	2.35
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	9	2.35
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	9	2.35
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	15	2.35
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	15	2.35
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	15	2.35
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	1	2.34
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	1	2.34
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	1	2.34
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	8	2.34
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	8	2.34
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	8	2.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	9	2.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	9	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	5	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	5	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	5	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	19	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	19	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	19	2.34
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	2	2.34
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	2	2.34
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	6	2.34
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	6	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	20	2.34
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	9	2.34
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	9	2.34
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	15	2.34
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	15	2.34
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	2	2.33
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	2	2.33
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	2	2.33
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	14	2.33
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	14	2.33
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	20	2.33
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	20	2.33
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	2	2.33
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	2	2.33
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	10	2.32
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	10	2.32
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	10	2.32
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	16	2.32
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	16	2.32
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	16	2.32
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	19	2.32
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	19	2.32
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	19	2.32
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	10	2.32
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	10	2.32
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	10	2.32
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	3	2.32
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	3	2.32
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	1	2.32
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	1	2.32
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	13	2.32
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	13	2.32
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	4	2.31
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	4	2.31
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	4	2.31
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	17	2.31
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	17	2.31
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	17	2.31
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	2	2.31
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	2	2.31
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	2	2.31
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	1	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	1	2.31
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	13	2.31
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	13	2.31
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	9	2.31
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	13	2.3
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	13	2.3
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	18	2.3
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	11	2.29
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	11	2.29
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	11	2.29
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	15	2.29
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	15	2.29
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	15	2.29
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	3	2.29
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	3	2.29
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	3	2.29
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	15	2.29
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	15	2.29
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	10	2.29
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	3	2.29
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	14	2.28
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	14	2.28
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	14	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	14	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	14	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	14	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	16	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	16	2.28
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	16	2.28
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	7	2.28
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	7	2.28
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	7	2.28
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	9	2.28
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	9	2.28
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	4	2.28
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	4	2.28
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	4	2.28
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	10	2.28
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	10	2.28
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	14	2.28
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	14	2.28
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	4	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	4	2.27
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	19	2.27
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	19	2.27
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	17	2.27
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	17	2.26
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	17	2.26
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	17	2.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	5	2.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	5	2.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	5	2.26
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	10	2.26
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	9	2.25
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	9	2.25
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	9	2.25
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	6	2.25
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	6	2.25
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	5	2.25
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	3	2.24
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	3	2.24
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	3	2.24
(1,717)	1:27:A:VAL:HG11	1:28:A:LYS:HA	15	2.24
(1,717)	1:27:A:VAL:HG12	1:28:A:LYS:HA	15	2.24
(1,717)	1:27:A:VAL:HG13	1:28:A:LYS:HA	15	2.24
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	13	2.24
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	15	2.24
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	16	2.24
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	16	2.24
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	16	2.24
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	6	2.24
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	6	2.24
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	4	2.23
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	14	2.23
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	14	2.23
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	19	2.23
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	19	2.23
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	19	2.23
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	7	2.23
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	7	2.23
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	3	2.22
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	3	2.22
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	3	2.22
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	10	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	3	2.22
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	3	2.22
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	17	2.22
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	17	2.22
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	17	2.22
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	17	2.22
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	17	2.22
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	14	2.22
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	2	2.21
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	2	2.21
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	20	2.21
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	2	2.21
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	12	2.21
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	15	2.21
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	15	2.21
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	5	2.21
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	5	2.21
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	5	2.21
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	1	2.21
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	1	2.21
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	9	2.21
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	3	2.21
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	7	2.21
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	5	2.21
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	2	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	2	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	13	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	13	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	18	2.2
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	18	2.2
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	16	2.2
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	16	2.2
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	16	2.2
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	19	2.2
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	19	2.2
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	19	2.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	9	2.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	9	2.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	20	2.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	20	2.2
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	7	2.2
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	18	2.2
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	18	2.2
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	14	2.19
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	7	2.19
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	8	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	12	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	12	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	12	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	18	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	18	2.19
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	18	2.19
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	14	2.19
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	14	2.19
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	11	2.19
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	11	2.19
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	12	2.19
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	12	2.19
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	6	2.19
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	3	2.19
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	8	2.19
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	11	2.19
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	16	2.19
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	19	2.19
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	17	2.18
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	13	2.18
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	16	2.18
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	8	2.18
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	8	2.18
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	8	2.18
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	13	2.18
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	15	2.18
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	2	2.18
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	4	2.18
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	6	2.18
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	7	2.18
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	7	2.18
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	10	2.17
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	15	2.17
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	18	2.17
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	7	2.17
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	7	2.17
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	7	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	8	2.17
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	8	2.17
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	9	2.17
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	9	2.17
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	1	2.17
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	17	2.17
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	17	2.17
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	4	2.17
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	16	2.16
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	6	2.16
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	9	2.16
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	9	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	5	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	5	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	6	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	6	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	14	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	14	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE2	16	2.16
(1,509)	1:31:A:ALA:HA	1:34:A:LYS:HE3	16	2.16
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	20	2.16
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	20	2.16
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	11	2.16
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	11	2.16
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	11	2.16
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	18	2.15
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	10	2.15
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	15	2.14
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	18	2.14
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	1	2.14
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	12	2.14
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	19	2.14
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	19	2.14
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	19	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	7	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	7	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	13	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	13	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	15	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	15	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	16	2.14
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	16	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	20	2.14
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	13	2.14
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	20	2.13
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	8	2.13
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	11	2.13
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	18	2.13
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	18	2.13
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	15	2.13
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	18	2.13
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	18	2.13
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	18	2.13
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	19	2.13
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	19	2.13
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	19	2.13
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	11	2.13
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	11	2.13
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	15	2.13
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	20	2.13
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	5	2.13
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	5	2.13
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	18	2.12
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	18	2.12
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	2	2.12
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	3	2.12
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	3	2.12
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	10	2.12
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	10	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	12	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	12	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	12	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	18	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	18	2.12
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	18	2.12
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	3	2.12
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	3	2.12
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	3	2.12
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	10	2.11
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	10	2.11
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	4	2.11
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	9	2.11
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	11	2.11
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	3	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	11	2.11
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	11	2.11
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	11	2.11
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	11	2.11
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	11	2.11
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	12	2.11
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	12	2.11
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	17	2.11
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	17	2.11
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	10	2.1
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	16	2.1
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	4	2.1
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	4	2.1
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	20	2.1
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	20	2.1
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	8	2.1
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	8	2.1
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	8	2.1
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	9	2.1
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	9	2.1
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	9	2.1
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	11	2.1
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	11	2.1
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	11	2.1
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	8	2.1
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	2	2.1
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	4	2.1
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	10	2.1
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	12	2.1
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	7	2.09
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	4	2.09
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	18	2.09
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	19	2.09
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	14	2.09
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	14	2.09
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	14	2.09
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	8	2.09
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	8	2.09
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	7	2.09
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	3	2.08
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	9	2.08
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	9	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	9	2.08
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	11	2.08
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	11	2.08
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	11	2.08
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	4	2.08
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	4	2.08
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	4	2.08
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	5	2.08
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	5	2.08
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	7	2.08
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	7	2.08
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	8	2.08
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	13	2.08
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	13	2.08
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	12	2.07
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	12	2.07
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	8	2.07
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	2	2.07
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD21	1	2.07
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD22	1	2.07
(1,544)	1:30:A:ARG:HD2	1:39:A:LEU:HD23	1	2.07
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	10	2.07
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	10	2.07
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	16	2.07
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	16	2.07
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	16	2.07
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	12	2.07
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	18	2.07
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	5	2.07
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	5	2.07
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	9	2.07
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	11	2.07
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	9	2.07
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	9	2.07
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	1	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	2	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	2	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	6	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	6	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	19	2.06
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	19	2.06
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	4	2.06
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	12	2.06
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	12	2.06
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	12	2.06
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	14	2.06
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	14	2.06
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	14	2.06
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	20	2.06
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	20	2.06
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	20	2.06
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	5	2.06
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	14	2.06
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	14	2.06
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	2	2.06
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	4	2.05
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	4	2.05
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	14	2.05
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	16	2.05
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	17	2.05
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	5	2.05
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	5	2.05
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	13	2.05
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	13	2.05
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	5	2.05
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	7	2.05
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	3	2.05
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	3	2.05
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	20	2.05
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	20	2.05
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	6	2.04
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	13	2.04
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	8	2.04
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	8	2.04
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	8	2.04
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	10	2.04
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	10	2.04
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	10	2.04
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	9	2.04
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	14	2.04
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	19	2.04
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	19	2.04
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	19	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	3	2.04
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	10	2.04
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	10	2.04
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	13	2.04
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	13	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	9	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	9	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	9	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	13	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	13	2.04
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	13	2.04
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	8	2.04
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	8	2.03
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	8	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	1	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	1	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	11	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	11	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	12	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	12	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	16	2.03
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	16	2.03
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	11	2.03
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	11	2.03
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	7	2.03
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	7	2.03
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	7	2.03
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	15	2.03
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	15	2.03
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	15	2.03
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	16	2.03
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	20	2.03
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	9	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	14	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	14	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	14	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	15	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	15	2.03
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	15	2.03
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	19	2.03
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	20	2.03
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	20	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	5	2.02
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	12	2.02
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	5	2.02
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	18	2.02
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	18	2.02
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	9	2.02
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	9	2.02
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	11	2.02
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	19	2.02
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	19	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	16	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	16	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	16	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	17	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	17	2.02
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	17	2.02
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	7	2.01
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	7	2.01
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	15	2.01
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	15	2.01
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	5	2.01
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	5	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	3	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	3	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	3	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	13	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	13	2.01
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	13	2.01
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	1	2.01
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	1	2.01
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	1	2.01
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	13	2.01
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	13	2.01
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	13	2.01
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	1	2.01
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	11	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	2	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	2	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	10	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	10	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	18	2.01
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	8	2.01
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	2	2.01
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	2	2.01
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	20	2.01
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	20	2.01
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	20	2.01
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	4	2.0
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	4	2.0
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	5	2.0
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	5	2.0
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	10	2.0
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	10	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	6	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	6	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	6	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	15	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	15	2.0
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	15	2.0
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	20	2.0
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	20	2.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	19	2.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	19	2.0
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	6	2.0
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	12	2.0
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	13	2.0
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	12	2.0
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	18	2.0
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	6	2.0
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	6	2.0
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	7	2.0
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	7	2.0
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	2	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	3	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	3	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	3	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	4	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	4	2.0
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	4	2.0
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	7	2.0
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	8	2.0
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD1	7	1.99
(1,501)	1:15:A:PHE:HA	1:15:A:PHE:HD2	7	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	16	1.99
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	16	1.99
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	18	1.99
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	18	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	11	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	11	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	11	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	14	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	14	1.99
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	14	1.99
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	13	1.99
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	13	1.99
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	13	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	3	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	3	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	11	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	11	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	20	1.99
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	20	1.99
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	5	1.99
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	8	1.99
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	17	1.99
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	15	1.99
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	15	1.99
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	6	1.99
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	6	1.99
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	11	1.99
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	11	1.99
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	18	1.99
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	18	1.99
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	2	1.99
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	16	1.98
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	16	1.98
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	19	1.98
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	19	1.98
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	20	1.98
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	20	1.98
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	7	1.98
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	7	1.98
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	11	1.98
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	11	1.98
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	12	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	12	1.98
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	14	1.98
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	14	1.98
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	3	1.98
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	3	1.98
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	3	1.98
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	12	1.98
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	12	1.98
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	16	1.98
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	4	1.98
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	4	1.98
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	15	1.98
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	16	1.98
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	11	1.98
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	11	1.98
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	9	1.97
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	9	1.97
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	4	1.97
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	4	1.97
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	6	1.97
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	6	1.97
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	6	1.97
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	10	1.97
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	5	1.97
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	5	1.97
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	1	1.97
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	13	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	1	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	1	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	1	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	11	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	11	1.97
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	11	1.97
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	3	1.96
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	3	1.96
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	13	1.96
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	13	1.96
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	1	1.96
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	1	1.96
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	1	1.96
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD21	9	1.96
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD22	9	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:30:A:ARG:HD3	1:39:A:LEU:HD23	9	1.96
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	1	1.96
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	1	1.96
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	2	1.96
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	2	1.96
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	2	1.96
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	5	1.96
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	5	1.96
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	5	1.96
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	6	1.96
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	6	1.96
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	6	1.96
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	1	1.96
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	1	1.96
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	1	1.96
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	13	1.96
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	13	1.96
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	1	1.96
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	3	1.96
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	3	1.96
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	9	1.95
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	9	1.95
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	15	1.95
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	15	1.95
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	16	1.95
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	16	1.95
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	14	1.95
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	18	1.95
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	8	1.95
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	8	1.95
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	8	1.95
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	6	1.95
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	10	1.95
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	3	1.95
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	3	1.95
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	3	1.95
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	7	1.94
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	7	1.94
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	17	1.94
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	17	1.94
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	19	1.94
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	19	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	3	1.94
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	6	1.94
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	6	1.94
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	11	1.93
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	11	1.93
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	12	1.93
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	12	1.93
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	3	1.93
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	3	1.93
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	3	1.93
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	14	1.93
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	14	1.93
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	20	1.93
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	20	1.93
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	9	1.93
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	12	1.93
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	9	1.93
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	6	1.92
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	6	1.92
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	1	1.92
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	1	1.92
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	2	1.92
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	11	1.92
(1,678)	1:6:A:ARG:HG2	1:7:A:ALA:H	19	1.91
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	7	1.91
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	7	1.91
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	15	1.91
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	15	1.91
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	19	1.91
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	19	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	3	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	13	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	13	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	13	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	13	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	13	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	13	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	14	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	15	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	15	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	15	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	15	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	15	1.91
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	15	1.91
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	1	1.91
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	12	1.91
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	12	1.91
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	12	1.91
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	5	1.91
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	5	1.91
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	17	1.91
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	5	1.91
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	5	1.91
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	12	1.91
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	18	1.91
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	5	1.9
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	5	1.9
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	14	1.9
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	14	1.9
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	13	1.9
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	13	1.9
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	5	1.9
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	5	1.9
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	13	1.9
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	13	1.9
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	17	1.9
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	17	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	7	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	9	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	9	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	9	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	9	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	9	1.9
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	9	1.9
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	4	1.9
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	4	1.9
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	4	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	4	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	4	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	9	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	9	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	10	1.9
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	10	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	12	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	12	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	16	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	16	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	17	1.9
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	17	1.9
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	20	1.9
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	13	1.9
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	3	1.9
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	18	1.9
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	17	1.89
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	17	1.89
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	2	1.89
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	2	1.89
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	3	1.89
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	3	1.89
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	17	1.89
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	17	1.89
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	17	1.89
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	20	1.89
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	20	1.89
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	20	1.89
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	19	1.89
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	7	1.89
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	7	1.89
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	4	1.89
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	14	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	3	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	3	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	5	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	5	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	5	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	6	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	6	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	6	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	19	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	19	1.89
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	19	1.89
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	1	1.88
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	1	1.88
(1,723)	1:6:A:ARG:HD3	1:34:A:LYS:HG3	6	1.88
(1,723)	1:6:A:ARG:HD2	1:34:A:LYS:HG3	6	1.88
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	18	1.88
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	18	1.88
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	11	1.88
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	11	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	1	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	1	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	10	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	10	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	18	1.88
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	18	1.88
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	11	1.88
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	10	1.88
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	10	1.88
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	17	1.88
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	17	1.88
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	10	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	4	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	4	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	4	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	7	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	7	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	7	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	13	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	13	1.88
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	13	1.88
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	18	1.87
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	18	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	18	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	11	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	17	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	20	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	20	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	20	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	20	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	20	1.87
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	20	1.87
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	7	1.87
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	7	1.87
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	7	1.87
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	7	1.87
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	9	1.87
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	9	1.87
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	12	1.87
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	12	1.87
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	15	1.87
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	2	1.87
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	2	1.87
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	20	1.87
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	10	1.87
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	10	1.87
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	10	1.87
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	10	1.87
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	2	1.87
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	2	1.87
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	2	1.87
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	8	1.87
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	8	1.87
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	8	1.87
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	17	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	17	1.87
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	6	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	6	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	6	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	16	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	16	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	16	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	5	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	6	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	6	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	6	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	6	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	6	1.86
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	6	1.86
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	19	1.86
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	8	1.86
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	8	1.86
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	8	1.86
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	12	1.86
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	12	1.86
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	20	1.86
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	20	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	6	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	6	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	8	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	8	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	11	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	11	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	13	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	13	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	14	1.86
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	14	1.86
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	4	1.86
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	7	1.86
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	15	1.86
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	16	1.86
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	16	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	4	1.86
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	7	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	1	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	1	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	1	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	15	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	15	1.86
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	15	1.86
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	5	1.85
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	5	1.85
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	5	1.85
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	2	1.85
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	2	1.85
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	2	1.85
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	8	1.85
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	8	1.85
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	7	1.85
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	7	1.85
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	10	1.85
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	10	1.85
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	9	1.85
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	9	1.85
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	9	1.85
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	9	1.85
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	14	1.85
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	14	1.85
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	14	1.85
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	14	1.85
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	17	1.85
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	17	1.85
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	3	1.85
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	3	1.85
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	9	1.85
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	11	1.85
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	3	1.85
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	16	1.85
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	4	1.85
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	15	1.85
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	15	1.85
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	9	1.85
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	9	1.85
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	9	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	11	1.85
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	11	1.85
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	11	1.85
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	14	1.85
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	14	1.85
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	14	1.85
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	3	1.85
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	3	1.85
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	1	1.84
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	1	1.84
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	1	1.84
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	1	1.84
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	1	1.84
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	1	1.84
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	6	1.84
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	6	1.84
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	6	1.84
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	16	1.84
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	16	1.84
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	18	1.84
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	18	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	2	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	2	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	4	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	4	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	9	1.84
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	9	1.84
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	10	1.84
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	9	1.84
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	1	1.84
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	17	1.84
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	8	1.84
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	15	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	14	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	14	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	14	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	17	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	17	1.84
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	17	1.84
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	12	1.84
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	12	1.84
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	12	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	12	1.83
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	12	1.83
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	14	1.83
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	14	1.83
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	14	1.83
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	19	1.83
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	15	1.83
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	5	1.83
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	5	1.83
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	5	1.83
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	14	1.83
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	14	1.83
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	7	1.83
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	7	1.83
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	7	1.83
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	7	1.83
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	17	1.83
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	17	1.83
(1,327)	1:6:A:ARG:HA	1:6:A:ARG:HD2	18	1.83
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	19	1.83
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	19	1.83
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	12	1.83
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	4	1.83
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	4	1.83
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	12	1.83
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	12	1.83
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	12	1.83
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	19	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	10	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	10	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	10	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	12	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	12	1.83
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	12	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	1	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	1	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	1	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	16	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	16	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	16	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	18	1.83
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	18	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	18	1.83
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	3	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	3	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	4	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	4	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	8	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	8	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	15	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	15	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	19	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	19	1.82
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	6	1.82
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	4	1.82
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	4	1.82
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	11	1.82
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	11	1.82
(1,425)	1:7:A:ALA:HB1	1:32:A:ASN:HD21	19	1.82
(1,425)	1:7:A:ALA:HB2	1:32:A:ASN:HD21	19	1.82
(1,425)	1:7:A:ALA:HB3	1:32:A:ASN:HD21	19	1.82
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	8	1.82
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	8	1.82
(1,294)	1:18:A:PHE:HA	1:21:A:ASP:H	19	1.82
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	12	1.82
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	12	1.82
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	12	1.82
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	1	1.82
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	4	1.82
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	18	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	16	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	16	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	16	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	18	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	18	1.82
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	18	1.82
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	9	1.82
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	9	1.82
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	9	1.82
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	1	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	1	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	7	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	7	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	9	1.81
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	2	1.81
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	3	1.81
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	5	1.81
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	16	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	2	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	10	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	10	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	10	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	10	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	10	1.81
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	10	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	1	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	1	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	1	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	2	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	2	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	2	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	3	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	3	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	3	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	4	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	4	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	4	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	5	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	5	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	5	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	7	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	7	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	7	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	9	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	9	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	9	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	11	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	11	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	11	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	12	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	12	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	12	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	13	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	13	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	13	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	14	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	14	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	14	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	20	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	20	1.81
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	20	1.81
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	4	1.81
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	1	1.81
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	1	1.81
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	7	1.81
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	15	1.81
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	15	1.81
(1,227)	1:33:A:CYS:HB2	1:36:A:THR:H	19	1.81
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	4	1.81
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	2	1.81
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	9	1.81
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	2	1.81
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	7	1.81
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	9	1.81
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	13	1.81
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	12	1.81
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	12	1.81
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	16	1.81
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	16	1.81
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	20	1.81
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	5	1.81
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	7	1.81
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	8	1.81
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	8	1.81
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	8	1.81
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	6	1.81
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	6	1.81
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	11	1.8
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	11	1.8
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	4	1.8
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	11	1.8
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	13	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	4	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	8	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	16	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	19	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	19	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	19	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	19	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	19	1.8
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	19	1.8
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	16	1.8
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	16	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	6	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	6	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	6	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	8	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	8	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	8	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	10	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	10	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	10	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	15	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	15	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	15	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	16	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	16	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	16	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	18	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	18	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	19	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	19	1.8
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	19	1.8
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	19	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	4	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	4	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	5	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	5	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	6	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	6	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	20	1.8
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	20	1.8
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	6	1.8
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	16	1.8
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	8	1.8
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	8	1.8
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	13	1.8
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	13	1.8
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	17	1.8
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	17	1.8
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD11	20	1.8
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD12	20	1.8
(1,109)	1:34:A:LYS:H	1:39:A:LEU:HD13	20	1.8
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	11	1.8
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	11	1.8
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	11	1.8
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	17	1.79
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	17	1.79
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	20	1.79
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	20	1.79
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	11	1.79
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	11	1.79
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	7	1.79
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	8	1.79
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	10	1.79
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	12	1.79
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	14	1.79
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	2	1.79
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	2	1.79
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	3	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	3	1.79
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	17	1.79
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	17	1.79
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	19	1.79
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	2	1.79
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	2	1.79
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	2	1.79
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	3	1.79
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	17	1.79
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	20	1.79
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	5	1.79
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	5	1.79
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	6	1.79
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	6	1.79
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	19	1.79
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	19	1.79
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	17	1.79
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	10	1.78
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	10	1.78
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	9	1.78
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	18	1.78
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	4	1.78
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	4	1.78
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	4	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	18	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	18	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	18	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	18	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	18	1.78
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	18	1.78
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD11	17	1.78
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD12	17	1.78
(1,415)	1:34:A:LYS:HA	1:39:A:LEU:HD13	17	1.78
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	16	1.78
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	16	1.78
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	16	1.78
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	20	1.78
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	5	1.78
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	20	1.78
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	20	1.78
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	10	1.78
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	10	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	10	1.78
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	14	1.78
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	6	1.77
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	6	1.77
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	6	1.77
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	15	1.77
(1,635)	1:10:A:HIS:H	1:11:A:ILE:HG12	20	1.77
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	6	1.77
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	6	1.77
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	6	1.77
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	15	1.77
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	15	1.77
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	15	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	3	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	3	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	4	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	4	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	10	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	10	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	12	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	12	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	18	1.77
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	18	1.77
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	13	1.77
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	13	1.77
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	15	1.77
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	15	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	1	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	4	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	5	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	6	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	7	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	8	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	9	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	13	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	14	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	17	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	18	1.77
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	20	1.77
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	8	1.77
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	8	1.77
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	5	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	5	1.77
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	5	1.77
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	11	1.77
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	1	1.77
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	9	1.76
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	20	1.76
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	13	1.76
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	13	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	2	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	2	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	2	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	7	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	7	1.76
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	7	1.76
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	16	1.76
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	7	1.76
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB2	19	1.76
(1,328)	1:7:A:ALA:HA	1:32:A:ASN:HB3	19	1.76
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	15	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	6	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	6	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	6	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	18	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	18	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	18	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	19	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	19	1.76
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	19	1.76
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	9	1.76
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	9	1.76
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	5	1.76
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	6	1.76
(1,157)	1:34:A:LYS:H	1:34:A:LYS:HG3	15	1.76
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	14	1.76
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	14	1.76
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	1	1.76
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	1	1.76
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	15	1.75
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	2	1.75
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD1	19	1.75
(1,355)	1:18:A:PHE:H	1:18:A:PHE:HD2	19	1.75
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	10	1.75
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	10	1.75
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	10	1.75
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	11	1.75
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	11	1.75
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	1	1.75
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	1	1.75
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	14	1.75
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	5	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	5	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	5	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	16	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	16	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	16	1.74
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	14	1.74
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	3	1.74
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	18	1.74
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	18	1.74
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	18	1.74
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	15	1.74
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	18	1.74
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	11	1.74
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	16	1.74
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	18	1.74
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	13	1.74
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	19	1.74
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	20	1.74
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	20	1.74
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	20	1.74
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	20	1.74
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	3	1.74
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	3	1.74
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	2	1.74
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	19	1.74
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	19	1.74
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	19	1.74
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	14	1.73
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	14	1.73
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	14	1.73
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	14	1.73
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	14	1.73
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	3	1.73
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	4	1.73
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	10	1.73
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	5	1.73
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	9	1.73
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	9	1.73
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	14	1.73
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	14	1.73
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	12	1.73
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	19	1.73
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	19	1.73
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	19	1.73
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG21	7	1.73
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG22	7	1.73
(1,186)	1:27:A:VAL:H	1:27:A:VAL:HG23	7	1.73
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	3	1.73
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	10	1.73
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	10	1.73
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	10	1.73
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	20	1.72
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	20	1.72
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	20	1.72
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	17	1.72
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	17	1.72
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	18	1.72
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	18	1.72
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	8	1.72
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	12	1.72
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	1	1.72
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	7	1.72
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	11	1.72
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	17	1.72
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	17	1.72
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	4	1.72
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	4	1.72
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	14	1.72
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	14	1.72
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	2	1.72
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	2	1.72
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	8	1.72
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	1	1.71
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	9	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	14	1.71
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	16	1.71
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	18	1.71
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	5	1.71
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	8	1.71
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	9	1.71
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	6	1.71
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	1	1.71
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	15	1.71
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	15	1.71
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	16	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	3	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	3	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	3	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	4	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	4	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	4	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	5	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	5	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	5	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	6	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	6	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	6	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	7	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	7	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	7	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	13	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	13	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	13	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	15	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	15	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	15	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	17	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	17	1.71
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	17	1.71
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	4	1.71
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	4	1.71
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	4	1.71
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE2	3	1.7
(1,712)	1:20:A:LYS:HB2	1:20:A:LYS:HE3	3	1.7
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD11	12	1.7
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD12	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD13	12	1.7
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD21	12	1.7
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD22	12	1.7
(1,452)	1:12:A:CYS:HA	1:29:A:LEU:HD23	12	1.7
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	13	1.7
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	11	1.7
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	20	1.7
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	6	1.7
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	2	1.7
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	2	1.7
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	2	1.7
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	5	1.7
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	5	1.7
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	5	1.7
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	17	1.7
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	17	1.7
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	17	1.7
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	3	1.7
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	12	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	7	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	7	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	12	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	12	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	16	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	16	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	20	1.7
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	20	1.7
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	12	1.7
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	2	1.7
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	2	1.7
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	2	1.7
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	12	1.69
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	12	1.69
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	16	1.69
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	16	1.69
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	2	1.69
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	8	1.69
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	14	1.69
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	16	1.69
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	6	1.69
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	6	1.69
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	6	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	13	1.69
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	13	1.69
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	13	1.69
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	7	1.69
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	8	1.69
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	9	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	3	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	3	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	13	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	13	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	18	1.69
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	18	1.69
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	4	1.69
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	4	1.69
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	5	1.69
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	6	1.69
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	13	1.69
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	17	1.69
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	6	1.68
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	3	1.68
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	3	1.68
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	15	1.68
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	15	1.68
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	16	1.68
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	12	1.68
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	13	1.68
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	13	1.68
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	14	1.68
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	8	1.68
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	8	1.68
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	8	1.68
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	10	1.68
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	12	1.68
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	6	1.68
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	6	1.68
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	8	1.68
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	8	1.68
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	10	1.68
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	10	1.68
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	12	1.67
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	3	1.67
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	16	1.67
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	16	1.67
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	16	1.67
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	16	1.67
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	4	1.67
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	10	1.67
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	10	1.67
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	15	1.67
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	18	1.67
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	3	1.67
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	3	1.67
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	3	1.67
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	15	1.67
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	15	1.67
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	15	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	9	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	9	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	12	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	12	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	19	1.67
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	19	1.67
(1,122)	1:6:A:ARG:H	1:6:A:ARG:HD2	19	1.67
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	10	1.66
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	10	1.66
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	18	1.66
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	18	1.66
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	13	1.66
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	13	1.66
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	13	1.66
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE1	1	1.66
(1,517)	1:15:A:PHE:HA	1:18:A:PHE:HE2	1	1.66
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	10	1.66
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	12	1.66
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	16	1.66
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	18	1.66
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	6	1.66
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	6	1.66
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	2	1.66
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	5	1.66
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	7	1.66
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	2	1.66
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	7	1.66
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	7	1.66
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	2	1.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	2	1.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	2	1.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ1	18	1.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ2	18	1.65
(1,660)	1:34:A:LYS:HB3	1:34:A:LYS:HZ3	18	1.65
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	14	1.65
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	14	1.65
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	19	1.65
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	19	1.65
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	12	1.65
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	12	1.65
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	12	1.65
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	12	1.65
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	18	1.65
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	4	1.65
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	4	1.65
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	4	1.65
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	7	1.65
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	7	1.65
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	7	1.65
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	17	1.65
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	11	1.65
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	19	1.65
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	19	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	8	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	8	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	17	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	17	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	20	1.65
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	20	1.65
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	7	1.65
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	7	1.65
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	9	1.64
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	9	1.64
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	4	1.64
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	2	1.64
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	2	1.64
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	5	1.64
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	5	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	10	1.64
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	14	1.64
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	4	1.64
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	4	1.64
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	4	1.64
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	4	1.64
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	11	1.64
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	11	1.64
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	11	1.64
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	11	1.64
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	3	1.64
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	3	1.64
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	12	1.64
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	5	1.64
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	15	1.64
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	18	1.64
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	10	1.64
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	1	1.64
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	1	1.64
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	4	1.64
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	4	1.64
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	11	1.64
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	11	1.64
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	15	1.64
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	15	1.64
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	20	1.64
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	20	1.64
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	4	1.63
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	4	1.63
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	11	1.63
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	11	1.63
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	15	1.63
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	15	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	1	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	1	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	1	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	1	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	1	1.63
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	1	1.63
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	1	1.63
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	1	1.63
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	6	1.63
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	6	1.63
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	6	1.63
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	18	1.63
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	18	1.63
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	18	1.63
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	18	1.63
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	14	1.63
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	9	1.63
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	9	1.63
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	17	1.63
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	17	1.63
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	17	1.63
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	20	1.62
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	19	1.62
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	19	1.62
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	19	1.62
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	7	1.62
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	7	1.62
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	20	1.62
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	20	1.62
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	4	1.62
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	5	1.62
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	5	1.62
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	17	1.62
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	17	1.62
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	10	1.62
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	10	1.62
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	5	1.62
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	6	1.62
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	7	1.62
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	17	1.62
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	19	1.62
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	19	1.62
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	19	1.62
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	19	1.62
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	19	1.62
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	4	1.62
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	4	1.62
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	7	1.62
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	7	1.62
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	7	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	12	1.62
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	17	1.62
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	14	1.62
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	14	1.62
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	5	1.62
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	5	1.62
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	10	1.62
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	10	1.62
(1,124)	1:6:A:ARG:HB2	1:6:A:ARG:HD2	18	1.62
(1,124)	1:6:A:ARG:HB3	1:6:A:ARG:HD2	18	1.62
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	1	1.61
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	1	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	17	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	17	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	17	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	17	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	17	1.61
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	17	1.61
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	8	1.61
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	8	1.61
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	3	1.61
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	13	1.61
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	20	1.61
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	20	1.61
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	11	1.61
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	15	1.61
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	15	1.61
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	15	1.61
(1,360)	1:7:A:ALA:H	1:32:A:ASN:HA	19	1.61
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	2	1.61
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	15	1.61
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	15	1.61
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	15	1.61
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	15	1.61
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	10	1.61
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	8	1.61
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	17	1.61
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	1	1.61
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	9	1.61
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	9	1.61
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	16	1.61
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	16	1.61
(1,210)	1:9:A:GLY:HA2	1:12:A:CYS:H	16	1.61
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	14	1.6
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	14	1.6
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	15	1.6
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	15	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	14	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	14	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	14	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	14	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	14	1.6
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	14	1.6
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	17	1.6
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	17	1.6
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	14	1.6
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	14	1.6
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	5	1.6
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	5	1.6
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	5	1.6
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	16	1.6
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	18	1.6
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	8	1.6
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	8	1.6
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	8	1.6
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	12	1.6
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	12	1.6
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	12	1.6
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	20	1.6
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	20	1.6
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	20	1.6
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	7	1.6
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	6	1.6
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	10	1.6
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	10	1.6
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	10	1.6
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	10	1.6
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	16	1.59
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	16	1.59
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	10	1.59
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	16	1.59
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	9	1.59
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	9	1.59
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	9	1.59
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	9	1.59
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	9	1.59
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	15	1.59
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	9	1.59
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	8	1.59
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	8	1.59
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	8	1.59
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	10	1.59
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	10	1.59
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	10	1.59
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	10	1.59
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	1	1.59
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	1	1.59
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	15	1.59
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	15	1.59
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	19	1.59
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	12	1.59
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	14	1.59
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	14	1.59
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	14	1.59
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	18	1.59
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	18	1.59
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	18	1.59
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	5	1.58
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	5	1.58
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE2	6	1.58
(1,714)	1:34:A:LYS:H	1:34:A:LYS:HE3	6	1.58
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	7	1.58
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	12	1.58
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	12	1.58
(1,467)	1:28:A:LYS:HB2	1:32:A:ASN:HD22	2	1.58
(1,467)	1:28:A:LYS:HB3	1:32:A:ASN:HD22	2	1.58
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	9	1.58
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	11	1.58
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	10	1.58
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	5	1.58
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	5	1.58
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	16	1.58
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	16	1.58
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	16	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	1	1.58
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	4	1.58
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	9	1.58
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	10	1.58
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	11	1.58
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	14	1.58
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	1	1.58
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	1	1.58
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	1	1.58
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	17	1.58
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	17	1.58
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	8	1.58
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	20	1.57
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	20	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	7	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	7	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	8	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	8	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	19	1.57
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	19	1.57
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	1	1.57
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	14	1.57
(1,462)	1:27:A:VAL:HA	1:29:A:LEU:H	20	1.57
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	6	1.57
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	9	1.57
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	10	1.57
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	17	1.57
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	20	1.57
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	20	1.57
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	20	1.57
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	20	1.57
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	9	1.57
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	9	1.57
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	9	1.57
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	9	1.57
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	9	1.57
(1,233)	1:7:A:ALA:HB1	1:33:A:CYS:HA	11	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:ALA:HB2	1:33:A:CYS:HA	11	1.57
(1,233)	1:7:A:ALA:HB3	1:33:A:CYS:HA	11	1.57
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE1	1	1.57
(1,159)	1:18:A:PHE:H	1:18:A:PHE:HE2	1	1.57
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	4	1.57
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD11	20	1.57
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD12	20	1.57
(1,103)	1:38:A:GLY:H	1:39:A:LEU:HD13	20	1.57
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	2	1.56
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	2	1.56
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	2	1.56
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	10	1.56
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	10	1.56
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	10	1.56
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	1	1.56
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	1	1.56
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	2	1.56
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	2	1.56
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	18	1.56
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	18	1.56
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	8	1.56
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	8	1.56
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	9	1.56
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	9	1.56
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	14	1.56
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	14	1.56
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	13	1.56
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	15	1.56
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	8	1.56
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	8	1.56
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	8	1.56
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	8	1.56
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	2	1.56
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	17	1.56
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	2	1.56
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	4	1.56
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	5	1.56
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	20	1.56
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	20	1.56
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	20	1.56
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	3	1.55
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	15	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	3	1.55
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	3	1.55
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	3	1.55
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	8	1.55
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	20	1.55
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	20	1.55
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	20	1.55
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	2	1.55
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	2	1.55
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	2	1.55
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	2	1.55
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	6	1.55
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	13	1.55
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	15	1.55
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	10	1.55
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	18	1.55
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	19	1.54
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	16	1.54
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	12	1.54
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	13	1.54
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	14	1.54
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	18	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	10	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	13	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	15	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	15	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	15	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	15	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	15	1.54
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	15	1.54
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	1	1.54
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	1	1.54
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	1	1.54
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	1	1.54
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	1	1.54
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	16	1.54
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	16	1.54
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	16	1.54
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	7	1.54
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	7	1.54
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	5	1.54
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	15	1.54
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	15	1.54
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	17	1.53
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	9	1.53
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	6	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	11	1.53
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	11	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	2	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	19	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	19	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	19	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	19	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	19	1.53
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	19	1.53
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	19	1.53
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	3	1.53
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	19	1.53
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	2	1.53
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	3	1.53
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	5	1.53
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	7	1.53
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	19	1.53
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	17	1.53
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	17	1.53
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	17	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	4	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	4	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	4	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	17	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	17	1.53
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	17	1.53
(1,350)	1:3:A:CYS:HB3	1:40:A:CYS:HA	19	1.53
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	3	1.53
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	16	1.53
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	20	1.53
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	3	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	3	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	5	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	6	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	7	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	13	1.52
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	20	1.52
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	2	1.52
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	2	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	3	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	3	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	3	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	3	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	3	1.52
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	3	1.52
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	17	1.52
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	17	1.52
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	17	1.52
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	12	1.52
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	14	1.52
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	6	1.52
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	6	1.52
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	11	1.52
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	14	1.52
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	14	1.52
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	8	1.52
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	12	1.52
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	2	1.52
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	10	1.52
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	11	1.52
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	12	1.52
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	19	1.52
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	5	1.52
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	5	1.52
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	5	1.52
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	5	1.52
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	20	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	1	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	1	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	2	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	2	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	3	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	3	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	4	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	4	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	5	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	5	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	6	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	6	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	7	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	7	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	8	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	8	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	9	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	9	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	10	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	10	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	11	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	11	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	12	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	12	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	13	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	13	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	14	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	15	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	15	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	16	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	16	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	17	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	17	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	18	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	18	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	19	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	19	1.52
(1,238)	1:32:A:ASN:HB2	1:32:A:ASN:HD21	20	1.52
(1,238)	1:32:A:ASN:HB3	1:32:A:ASN:HD21	20	1.52
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	4	1.52
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	4	1.52
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	4	1.52
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	4	1.52
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	20	1.51
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	1	1.51
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	8	1.51
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	10	1.51
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	10	1.51
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	6	1.51
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	6	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	3	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	4	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	19	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	19	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	19	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	19	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	19	1.51
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	19	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	18	1.51
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	18	1.51
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	18	1.51
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	18	1.51
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	18	1.51
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	18	1.51
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	10	1.51
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	18	1.51
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	20	1.51
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	3	1.51
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	19	1.51
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	3	1.51
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	7	1.51
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	3	1.51
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	7	1.51
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	12	1.51
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	17	1.51
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	5	1.51
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	4	1.5
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	1	1.5
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	14	1.5
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	15	1.5
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	8	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	4	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	4	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	16	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	16	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	18	1.5
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	18	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	7	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	7	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	7	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	7	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	7	1.5
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	7	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	5	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	15	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	15	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	15	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	15	1.5
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	15	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	4	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	4	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	4	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	7	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	7	1.5
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	7	1.5
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	13	1.5
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	9	1.5
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	9	1.5
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	13	1.5
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	13	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	13	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	13	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	13	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	15	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	15	1.5
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	15	1.5
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ1	10	1.5
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ2	10	1.5
(1,387)	1:20:A:LYS:HG2	1:20:A:LYS:HZ3	10	1.5
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	2	1.5
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	5	1.5
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	12	1.5
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	18	1.5
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	9	1.49
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	11	1.49
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	4	1.49
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	9	1.49
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	11	1.49
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	5	1.49
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	17	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	8	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	8	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	8	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	8	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	8	1.49
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	8	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	16	1.49
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	16	1.49
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	16	1.49
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	16	1.49
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	16	1.49
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	16	1.49
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	16	1.49
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	5	1.49
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	5	1.49
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	5	1.49
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	2	1.49
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	20	1.49
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	20	1.49
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	6	1.49
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	6	1.49
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	6	1.49
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	2	1.49
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	7	1.49
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	5	1.49
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	8	1.48
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	13	1.48
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	20	1.48
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	2	1.48
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	12	1.48
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	12	1.48
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	18	1.48
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	1	1.48
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	11	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	12	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	16	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	16	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	16	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	16	1.48
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	16	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	13	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	14	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	14	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	14	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	14	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	14	1.48
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	14	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	15	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	15	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	15	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	17	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	17	1.48
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	17	1.48
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	1	1.48
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	17	1.48
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	17	1.48
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	17	1.48
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	17	1.48
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	17	1.48
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	17	1.48
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	17	1.48
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	15	1.48
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	15	1.48
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	7	1.48
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	7	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	4	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	6	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	13	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	15	1.48
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	17	1.48
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	7	1.48
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	7	1.48
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	5	1.48
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	6	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:25:A:ASN:HA	1:25:A:ASN:HD21	3	1.48
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	7	1.48
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	1	1.47
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	17	1.47
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	8	1.47
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	16	1.47
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	14	1.47
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	16	1.47
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	9	1.47
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	13	1.47
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	15	1.47
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	17	1.47
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	1	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	5	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	18	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	18	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	18	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	18	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	18	1.47
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	18	1.47
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	12	1.47
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	12	1.47
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	12	1.47
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	12	1.47
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	12	1.47
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	12	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	6	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	7	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	7	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	7	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	7	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	7	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	7	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	11	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	11	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	11	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	11	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	11	1.47
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	11	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	5	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	6	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	9	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	11	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	15	1.47
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	20	1.47
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	8	1.47
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	8	1.47
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	4	1.47
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	4	1.47
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	3	1.47
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	3	1.47
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	3	1.47
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	16	1.47
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	19	1.47
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	20	1.47
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	11	1.47
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	15	1.47
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	6	1.47
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	7	1.47
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	19	1.47
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	7	1.47
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	7	1.47
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	7	1.47
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	15	1.47
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD2	1	1.46
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD3	1	1.46
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	8	1.46
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	4	1.46
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	19	1.46
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	11	1.46
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	1	1.46
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	10	1.46
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	20	1.46
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	10	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	2	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	2	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	2	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	2	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	2	1.46
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	2	1.46
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	9	1.46
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	9	1.46
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	9	1.46
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	9	1.46
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	9	1.46
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	9	1.46
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	3	1.46
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	12	1.46
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	12	1.46
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	1	1.46
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	7	1.46
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	12	1.46
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	7	1.46
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	19	1.46
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	13	1.46
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	20	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	3	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	5	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	11	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	13	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	15	1.46
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	17	1.46
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	16	1.46
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	16	1.46
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	2	1.46
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD2	17	1.45
(1,752)	1:16:A:LYS:HA	1:16:A:LYS:HD3	17	1.45
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	16	1.45
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	2	1.45
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	2	1.45
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	12	1.45
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	14	1.45
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	18	1.45
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	4	1.45
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	18	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	17	1.45
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	6	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	2	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	2	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	8	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	8	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	12	1.45
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	12	1.45
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	10	1.45
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	10	1.45
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	11	1.45
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	11	1.45
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	11	1.45
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	11	1.45
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	11	1.45
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	11	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	9	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	12	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	12	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	12	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	12	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	12	1.45
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	12	1.45
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	18	1.45
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	1	1.45
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	20	1.45
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	18	1.45
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	18	1.45
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	19	1.45
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	19	1.45
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	12	1.45
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	13	1.45
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	9	1.45
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	11	1.45
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	14	1.45
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	11	1.45
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	11	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	1	1.45
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	9	1.45
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	14	1.45
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	20	1.45
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	9	1.45
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	18	1.44
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	10	1.44
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	10	1.44
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	7	1.44
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	4	1.44
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	6	1.44
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	16	1.44
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	12	1.44
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	19	1.44
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	19	1.44
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	1	1.44
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	9	1.44
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	17	1.44
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	17	1.44
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	20	1.44
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	20	1.44
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	15	1.44
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	15	1.44
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	8	1.44
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	20	1.44
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	20	1.44
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	20	1.44
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	20	1.44
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	20	1.44
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	20	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	4	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	4	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	4	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	4	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	4	1.44
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	4	1.44
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	7	1.44
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD1	10	1.44
(1,488)	1:17:A:SER:H	1:18:A:PHE:HD2	10	1.44
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	20	1.44
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	20	1.44
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	20	1.44
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	8	1.44
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	14	1.44
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	4	1.44
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	4	1.44
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	11	1.44
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	11	1.44
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	1	1.44
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	1	1.44
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	16	1.44
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	18	1.44
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	10	1.44
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	3	1.44
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	6	1.44
(1,168)	1:28:A:LYS:H	1:28:A:LYS:HG2	1	1.44
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	7	1.44
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	19	1.44
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	14	1.44
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	14	1.44
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	11	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	5	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	6	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	10	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	12	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	13	1.43
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	17	1.43
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	18	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	3	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	5	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	7	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	8	1.43
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	15	1.43
(1,627)	1:33:A:CYS:HB3	1:36:A:THR:H	10	1.43
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	14	1.43
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	4	1.43
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	4	1.43
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	4	1.43
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	4	1.43
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	4	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	8	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	8	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	8	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	16	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	16	1.43
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	16	1.43
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	11	1.43
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	1	1.43
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	1	1.43
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	2	1.43
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	2	1.43
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	3	1.43
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	3	1.43
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	16	1.43
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	16	1.43
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	20	1.43
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	3	1.43
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	3	1.43
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	3	1.43
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	8	1.43
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	10	1.43
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	10	1.43
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	18	1.43
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	8	1.43
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	8	1.43
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	16	1.43
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	13	1.43
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	5	1.43
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	14	1.42
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	14	1.42
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	14	1.42
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	2	1.42
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	3	1.42
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	15	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	8	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	13	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	16	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	17	1.42
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	18	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	20	1.42
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	11	1.42
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	20	1.42
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	5	1.42
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	12	1.42
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	20	1.42
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	8	1.42
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	8	1.42
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	20	1.42
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	20	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	1	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	1	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	1	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	1	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	1	1.42
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	1	1.42
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	1	1.42
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	1	1.42
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	1	1.42
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	1	1.42
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	1	1.42
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	1	1.42
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	2	1.42
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	2	1.42
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	16	1.42
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	18	1.42
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	6	1.42
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	8	1.42
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	8	1.42
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	17	1.42
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	17	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	3	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	4	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	6	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	8	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	15	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	17	1.42
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	19	1.42
(1,389)	1:4:A:SER:HB2	1:5:A:ASP:H	4	1.42
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	10	1.42
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	10	1.42
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	1	1.42
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	1	1.42
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	1	1.42
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	19	1.42
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	19	1.42
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	19	1.42
(1,317)	1:36:A:THR:H	1:38:A:GLY:H	12	1.42
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	4	1.42
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	16	1.42
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	18	1.42
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	16	1.42
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	16	1.42
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	10	1.42
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	20	1.42
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	2	1.42
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	18	1.42
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	4	1.42
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	8	1.42
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	10	1.42
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	3	1.42
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	6	1.42
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	16	1.42
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	16	1.42
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	9	1.41
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	2	1.41
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	12	1.41
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	5	1.41
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	18	1.41
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	18	1.41
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	18	1.41
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	2	1.41
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	10	1.41
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	13	1.41
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	1	1.41
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	5	1.41
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	6	1.41
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	11	1.41
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	18	1.41
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	4	1.41
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	4	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	11	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	11	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	11	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	11	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	11	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	13	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	14	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	16	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	20	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	20	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	20	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	20	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	20	1.41
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	20	1.41
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	10	1.41
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	14	1.41
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	14	1.41
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	14	1.41
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	14	1.41
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	14	1.41
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	14	1.41
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	18	1.41
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	18	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	18	1.41
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	18	1.41
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	18	1.41
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	18	1.41
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	4	1.41
(1,518)	1:5:A:ASP:HA	1:36:A:THR:H	7	1.41
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	5	1.41
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	5	1.41
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	10	1.41
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	10	1.41
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	10	1.41
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	20	1.41
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	20	1.41
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	20	1.41
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	17	1.41
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	4	1.41
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	6	1.41
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	6	1.41
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	2	1.41
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	13	1.41
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	2	1.41
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	2	1.41
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	7	1.41
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	4	1.41
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	4	1.41
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	13	1.41
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	13	1.41
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	11	1.41
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	3	1.41
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	4	1.41
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	5	1.41
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	13	1.41
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	16	1.41
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	13	1.41
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	19	1.41
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	9	1.41
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	11	1.41
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	13	1.41
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	15	1.41
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	12	1.4
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	6	1.4
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	1	1.4
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	1	1.4
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	8	1.4
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	2	1.4
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	2	1.4
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	2	1.4
(1,630)	1:32:A:ASN:H	1:32:A:ASN:HD21	19	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	2	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	3	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	7	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	9	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	10	1.4
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	14	1.4
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	4	1.4
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	16	1.4
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	4	1.4
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	4	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	3	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	5	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	6	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	9	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	12	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	12	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	12	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	12	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	12	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	12	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	17	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	17	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	17	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	17	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	17	1.4
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	17	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	6	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	6	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	6	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	11	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	11	1.4
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	11	1.4
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	9	1.4
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	1	1.4
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	1	1.4
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	11	1.4
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	9	1.4
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	10	1.4
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	11	1.4
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	15	1.4
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	11	1.4
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	20	1.4
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	1	1.4
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	10	1.4
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	18	1.4
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	18	1.4
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	11	1.4
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	11	1.4
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	6	1.4
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	13	1.4
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	9	1.4
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	15	1.4
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	11	1.4
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	5	1.4
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	6	1.4
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	17	1.4
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	19	1.4
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	13	1.4
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	13	1.4
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	19	1.4
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	4	1.4
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	17	1.4
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	7	1.39
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	9	1.39
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	11	1.39
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	15	1.39
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	17	1.39
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	3	1.39
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	3	1.39
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	1	1.39
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	9	1.39
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	11	1.39
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	18	1.39
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	20	1.39
(1,629)	1:33:A:CYS:HB3	1:34:A:LYS:H	15	1.39
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	3	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	7	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	8	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	15	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	18	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	18	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	18	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	18	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	18	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	19	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	19	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	19	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	19	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	19	1.39
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	19	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	8	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	20	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	20	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	20	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	20	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	20	1.39
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	20	1.39
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	19	1.39
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	17	1.39
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	17	1.39
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	6	1.39
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	8	1.39
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	9	1.39
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	16	1.39
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	1	1.39
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	3	1.39
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	9	1.39
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	15	1.39
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	15	1.39
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	2	1.39
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	2	1.39
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	2	1.39
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	20	1.39
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	5	1.39
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	12	1.39
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	9	1.39
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	11	1.39
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	15	1.39
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	7	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	7	1.38
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	19	1.38
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	19	1.38
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	1	1.38
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	3	1.38
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	9	1.38
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	14	1.38
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	14	1.38
(1,667)	1:29:A:LEU:HA	1:31:A:ALA:H	16	1.38
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	2	1.38
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	7	1.38
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	19	1.38
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	14	1.38
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	14	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	2	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	2	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	2	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	2	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	2	1.38
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	2	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	9	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	9	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	9	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	12	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	12	1.38
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	12	1.38
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	15	1.38
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	15	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	1	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	3	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	5	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	7	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	12	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	14	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	19	1.38
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	20	1.38
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	7	1.38
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	10	1.38
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	10	1.38
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	11	1.38
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	14	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	3	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	12	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	12	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	18	1.38
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	18	1.38
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	4	1.38
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	11	1.38
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	17	1.38
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	1	1.38
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	14	1.38
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	20	1.38
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	7	1.37
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	10	1.37
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	4	1.37
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	5	1.37
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	10	1.37
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	15	1.37
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	13	1.37
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	13	1.37
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	13	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	4	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD11	10	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD12	10	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD13	10	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD21	10	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD22	10	1.37
(1,565)	1:26:A:GLY:HA2	1:29:A:LEU:HD23	10	1.37
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	2	1.37
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	2	1.37
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	2	1.37
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	2	1.37
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	2	1.37
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	2	1.37
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	10	1.37
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	10	1.37
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	20	1.37
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	20	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	4	1.37
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	13	1.37
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	15	1.37
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	18	1.37
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	2	1.37
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	12	1.37
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	18	1.37
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	16	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	3	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	3	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	8	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	8	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	9	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	9	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	11	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	11	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	14	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	14	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	16	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	16	1.37
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	20	1.37
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	20	1.37
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	17	1.37
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	17	1.37
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	17	1.37
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	17	1.37
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	2	1.37
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	16	1.37
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	7	1.37
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	14	1.37
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	20	1.37
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	9	1.37
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	2	1.37
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	10	1.37
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	12	1.37
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	9	1.36
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	3	1.36
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	3	1.36
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	16	1.36
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	13	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	8	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	8	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	8	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	8	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	8	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	12	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	17	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	17	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	17	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	17	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	17	1.36
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	17	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	19	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	19	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	19	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	20	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	20	1.36
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	20	1.36
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	5	1.36
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	5	1.36
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	5	1.36
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	12	1.36
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	13	1.36
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	5	1.36
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	7	1.36
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	18	1.36
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	4	1.36
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	4	1.36
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	3	1.36
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	8	1.36
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	1	1.36
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	8	1.36
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	18	1.36
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	18	1.36
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	18	1.36
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	18	1.36
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	1	1.35
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	11	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	14	1.35
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	14	1.35
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	6	1.35
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	14	1.35
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	14	1.35
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	17	1.35
(1,593)	1:30:A:ARG:HA	1:37:A:CYS:HB2	8	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	2	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	16	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	18	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	18	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	18	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	18	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	18	1.35
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	18	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD11	10	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD12	10	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD13	10	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD21	10	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD22	10	1.35
(1,554)	1:21:A:ASP:H	1:29:A:LEU:HD23	10	1.35
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	13	1.35
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	13	1.35
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	13	1.35
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	19	1.35
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	15	1.35
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	6	1.35
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	6	1.35
(1,471)	1:4:A:SER:HA	1:35:A:LYS:HB2	10	1.35
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	6	1.35
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	5	1.35
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	12	1.35
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	1	1.35
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	1	1.35
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	6	1.35
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	6	1.35
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	13	1.35
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	13	1.35
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	17	1.35
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	17	1.35
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	6	1.35
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	6	1.35
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	6	1.35
(1,215)	1:16:A:LYS:HG3	1:17:A:SER:H	17	1.35
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	18	1.35
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	20	1.35
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	20	1.35
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	20	1.35
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	8	1.35
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	8	1.35
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	8	1.35
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	15	1.34
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	2	1.34
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	2	1.34
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	5	1.34
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	5	1.34
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	14	1.34
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	18	1.34
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	19	1.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	13	1.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	13	1.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE2	19	1.34
(1,570)	1:20:A:LYS:H	1:20:A:LYS:HE3	19	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	1	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	5	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	5	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	5	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	5	1.34
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	5	1.34
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	15	1.34
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	15	1.34
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	15	1.34
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	15	1.34
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	15	1.34
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	15	1.34
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	12	1.34
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	12	1.34
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	12	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	14	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	14	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	14	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB1	18	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB2	18	1.34
(1,540)	1:2:A:ALA:H	1:2:A:ALA:HB3	18	1.34
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	8	1.34
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	18	1.34
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	18	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	2	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	2	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	2	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	19	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	19	1.34
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	19	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	2	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	5	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	7	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	9	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	10	1.34
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	14	1.34
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	17	1.34
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	16	1.34
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	8	1.34
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	13	1.34
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	13	1.34
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	2	1.34
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	6	1.34
(1,412)	1:19:A:CYS:H	1:19:A:CYS:HB2	12	1.34
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	7	1.34
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	7	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	4	1.34
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	19	1.34
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	1	1.34
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	14	1.34
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	11	1.34
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	11	1.34
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	14	1.34
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	14	1.34
(1,129)	1:31:A:ALA:H	1:33:A:CYS:H	16	1.34
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	7	1.33
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	8	1.33
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	8	1.33
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	4	1.33
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	6	1.33
(1,684)	1:34:A:LYS:H	1:36:A:THR:H	17	1.33
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	5	1.33
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	20	1.33
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	2	1.33
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	7	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	5	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	12	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	16	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	17	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	17	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	17	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	17	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	17	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	18	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	18	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	18	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	18	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	18	1.33
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	18	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	1	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	1	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	1	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	1	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	1	1.33
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	1	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	6	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	7	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	7	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	7	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	7	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	7	1.33
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	7	1.33
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	7	1.33
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	17	1.33
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	17	1.33
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	17	1.33
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	17	1.33
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	17	1.33
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	17	1.33
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	4	1.33
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	4	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	1	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	3	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	8	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	11	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	13	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	15	1.33
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	17	1.33
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	17	1.33
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	15	1.33
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	15	1.33
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	11	1.33
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	11	1.33
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	11	1.33
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	5	1.33
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	5	1.33
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	12	1.33
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	12	1.33
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	17	1.33
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	17	1.33
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	17	1.33
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	15	1.33
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	15	1.33
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	5	1.33
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	14	1.33
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	3	1.33
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	7	1.33
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	12	1.33
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	11	1.33
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	11	1.33
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	20	1.33
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	20	1.33
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	20	1.33
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	3	1.32
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	4	1.32
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	14	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	4	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	4	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	6	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	6	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	13	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	13	1.32
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	1	1.32
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	1	1.32
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	16	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	1	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	2	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	3	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	4	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	6	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	7	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	8	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	8	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	8	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	8	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	8	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	9	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	10	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	11	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	13	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	14	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	15	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	19	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	19	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	19	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	19	1.32
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	3	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	4	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	9	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	13	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	14	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	15	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	19	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	20	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	20	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	20	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	20	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	20	1.32
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	20	1.32
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	3	1.32
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	5	1.32
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	6	1.32
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	13	1.32
(1,556)	1:29:A:LEU:HD11	1:32:A:ASN:HD21	19	1.32
(1,556)	1:29:A:LEU:HD12	1:32:A:ASN:HD21	19	1.32
(1,556)	1:29:A:LEU:HD13	1:32:A:ASN:HD21	19	1.32
(1,556)	1:29:A:LEU:HD21	1:32:A:ASN:HD21	19	1.32
(1,556)	1:29:A:LEU:HD22	1:32:A:ASN:HD21	19	1.32
(1,556)	1:29:A:LEU:HD23	1:32:A:ASN:HD21	19	1.32
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	12	1.32
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	12	1.32
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	11	1.32
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	11	1.32
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	16	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	7	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	7	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	7	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	8	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	8	1.32
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	8	1.32
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	4	1.32
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	12	1.32
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	16	1.32
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	18	1.32
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	20	1.32
(1,431)	1:13:A:GLU:HA	1:13:A:GLU:HG2	17	1.32
(1,428)	1:16:A:LYS:HD2	1:17:A:SER:H	20	1.32
(1,428)	1:16:A:LYS:HD3	1:17:A:SER:H	20	1.32
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	10	1.32
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	19	1.32
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	4	1.32
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	4	1.32
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	4	1.32
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	1	1.32
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	1	1.32
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	1	1.32
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	13	1.32
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	14	1.32
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	5	1.32
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	3	1.32
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	8	1.32
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	17	1.32
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	9	1.31
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	9	1.31
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	13	1.31
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	2	1.31
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	4	1.31
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	4	1.31
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	4	1.31
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	20	1.31
(1,578)	1:23:A:GLY:HA3	1:25:A:ASN:H	19	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD11	20	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD12	20	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD13	20	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD21	20	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD22	20	1.31
(1,566)	1:18:A:PHE:HB2	1:29:A:LEU:HD23	20	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	10	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD11	11	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD12	11	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD13	11	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD21	11	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD22	11	1.31
(1,560)	1:29:A:LEU:HB2	1:29:A:LEU:HD23	11	1.31
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	16	1.31
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	16	1.31
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	16	1.31
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	11	1.31
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	11	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	1	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	1	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	1	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	4	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	4	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	4	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	5	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	5	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	5	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	9	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	9	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	9	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	11	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	11	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	11	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	12	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	12	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	12	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	14	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	14	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	14	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	16	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	16	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	17	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	17	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	17	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	18	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	18	1.31
(1,481)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	18	1.31
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	4	1.31
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	1	1.31
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	12	1.31
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	15	1.31
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	15	1.31
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	15	1.31
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	15	1.31
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	10	1.31
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	9	1.31
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	11	1.31
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	3	1.31
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	4	1.31
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	6	1.31
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	19	1.31
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	18	1.31
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	16	1.31
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	18	1.31
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	11	1.31
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	11	1.31
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	11	1.31
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	10	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	1	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	1	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	1	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	1	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	1	1.3
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	1	1.3
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	12	1.3
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	12	1.3
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	17	1.3
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	17	1.3
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	17	1.3
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	11	1.3
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	20	1.3
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	7	1.3
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	8	1.3
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	6	1.3
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	6	1.3
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	6	1.3
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	6	1.3
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	17	1.3
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	17	1.3
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	17	1.3
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	8	1.3
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	19	1.3
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	8	1.3
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	11	1.3
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	13	1.3
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	18	1.3
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	16	1.3
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	1	1.3
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	14	1.3
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	11	1.3
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	14	1.3
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	5	1.29
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	6	1.29
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	17	1.29
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	15	1.29
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	15	1.29
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	3	1.29
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	5	1.29
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	11	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	10	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	10	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	10	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	19	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	19	1.29
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	19	1.29
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	12	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	1	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	1	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	1	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	1	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	1	1.29
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	1	1.29
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	17	1.29
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	17	1.29
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	17	1.29
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	17	1.29
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	17	1.29
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	1	1.29
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	1	1.29
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	1	1.29
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	13	1.29
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	19	1.29
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG21	17	1.29
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG22	17	1.29
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG23	17	1.29
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG21	17	1.29
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG22	17	1.29
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG23	17	1.29
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	2	1.29
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	3	1.29
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	6	1.29
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	14	1.29
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	17	1.29
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	13	1.29
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	13	1.29
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	13	1.29
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	18	1.29
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	9	1.29
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	6	1.29
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	6	1.29
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	18	1.29
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	2	1.29
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	2	1.29
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	15	1.29
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	16	1.29
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	14	1.29
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	11	1.29
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	8	1.29
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	13	1.29
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	12	1.28
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	13	1.28
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	2	1.28
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	15	1.28
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	20	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	20	1.28
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	8	1.28
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	16	1.28
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	18	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD11	17	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD12	17	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD13	17	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD21	17	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD22	17	1.28
(1,564)	1:17:A:SER:H	1:29:A:LEU:HD23	17	1.28
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	5	1.28
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	5	1.28
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	5	1.28
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	16	1.28
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	16	1.28
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	18	1.28
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	18	1.28
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	5	1.28
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	5	1.28
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	5	1.28
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	3	1.28
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	5	1.28
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	14	1.28
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	15	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	1	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	4	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	9	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	11	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	12	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	13	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	15	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	16	1.28
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	18	1.28
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	8	1.28
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	9	1.28
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	11	1.28
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	16	1.28
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	8	1.28
(1,311)	1:10:A:HIS:HA	1:10:A:HIS:HD2	19	1.28
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	3	1.28
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	8	1.28
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	20	1.28
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	9	1.28
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	12	1.28
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	7	1.28
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	9	1.28
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	9	1.28
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	12	1.27
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	12	1.27
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	20	1.27
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	20	1.27
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	8	1.27
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	10	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	7	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	7	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	7	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	9	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	9	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	9	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	12	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	12	1.27
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	12	1.27
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	14	1.27
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	18	1.27
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	9	1.27
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	20	1.27
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	16	1.27
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	16	1.27
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	16	1.27
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	11	1.27
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	11	1.27
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	7	1.27
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	7	1.27
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	7	1.27
(1,444)	1:33:A:CYS:HA	1:36:A:THR:H	19	1.27
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	15	1.27
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	15	1.27
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	15	1.27
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	9	1.27
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	9	1.27
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	9	1.27
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	9	1.27
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	10	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	10	1.27
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	10	1.27
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	10	1.27
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	3	1.27
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	16	1.27
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	10	1.27
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	2	1.27
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	5	1.27
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	9	1.27
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	5	1.27
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	10	1.26
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	10	1.26
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	20	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	17	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	17	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	17	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	20	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	20	1.26
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	20	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	5	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	6	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	7	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	8	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	9	1.26
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	15	1.26
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	6	1.26
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	10	1.26
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	14	1.26
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	1	1.26
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	8	1.26
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	11	1.26
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	16	1.26
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	20	1.26
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	20	1.26
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	20	1.26
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	14	1.26
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	2	1.26
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	12	1.26
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	6	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	3	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	3	1.26
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	3	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	4	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	4	1.26
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	4	1.26
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	4	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	9	1.26
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	9	1.26
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	9	1.26
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	9	1.26
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	2	1.25
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	18	1.25
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	3	1.25
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	13	1.25
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	14	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	1	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	1	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	1	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	8	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	8	1.25
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	8	1.25
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	10	1.25
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	11	1.25
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	9	1.25
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	14	1.25
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	16	1.25
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	16	1.25
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	2	1.25
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	2	1.25
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	2	1.25
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	2	1.25
(1,459)	1:33:A:CYS:HA	1:35:A:LYS:H	19	1.25
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	9	1.25
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	11	1.25
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	12	1.25
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	17	1.25
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	15	1.25
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	2	1.25
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	2	1.25
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	4	1.25
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	10	1.25
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	5	1.25
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	7	1.25
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	17	1.25
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	1	1.25
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	15	1.25
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	14	1.25
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	6	1.25
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	6	1.25
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	6	1.25
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	6	1.25
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	1	1.25
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	12	1.25
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	20	1.25
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	19	1.25
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	19	1.25
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	19	1.25
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	16	1.24
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	16	1.24
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	18	1.24
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	18	1.24
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	17	1.24
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	10	1.24
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	10	1.24
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	16	1.24
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	16	1.24
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	11	1.24
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	15	1.24
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	3	1.24
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	13	1.24
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	13	1.24
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	9	1.24
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	9	1.24
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	9	1.24
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	20	1.24
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	19	1.24
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	19	1.24
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	2	1.24
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	3	1.24
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	13	1.24
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	19	1.24
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	13	1.24
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	18	1.24
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	7	1.24
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	7	1.24
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	7	1.24
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	1	1.24
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	1	1.24
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	4	1.24
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	4	1.24
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	17	1.24
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	5	1.24
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	5	1.24
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	5	1.24
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	11	1.23
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	11	1.23
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	1	1.23
(1,713)	1:15:A:PHE:HB3	1:18:A:PHE:H	19	1.23
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	4	1.23
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	4	1.23
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	13	1.23
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	13	1.23
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	4	1.23
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	16	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	12	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	12	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	12	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	12	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	12	1.23
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	12	1.23
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	4	1.23
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	13	1.23
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	19	1.23
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	19	1.23
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	19	1.23
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	6	1.23
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	6	1.23
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	16	1.23
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	15	1.23
(1,339)	1:39:A:LEU:HA	1:39:A:LEU:HG	20	1.23
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	11	1.23
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	11	1.23
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	11	1.23
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	19	1.23
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	19	1.23
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	20	1.23
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	20	1.23
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	15	1.23
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	6	1.23
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	13	1.23
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	15	1.23
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	19	1.23
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	10	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	8	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	8	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	8	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	8	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	10	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	10	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	10	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	10	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	15	1.23
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	15	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	15	1.23
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	15	1.23
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	17	1.23
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	17	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	6	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	6	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	6	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	7	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	7	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	7	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	13	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	13	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	13	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	17	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	17	1.23
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	17	1.23
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	8	1.22
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	15	1.22
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	15	1.22
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	9	1.22
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	10	1.22
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	10	1.22
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	9	1.22
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	14	1.22
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	4	1.22
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	1	1.22
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	1	1.22
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	1	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	2	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	3	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	5	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	6	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	7	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	15	1.22
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	17	1.22
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	4	1.22
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	4	1.22
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	5	1.22
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	5	1.22
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	2	1.22
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	2	1.22
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	2	1.22
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	10	1.22
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	13	1.22
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	19	1.22
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	1	1.22
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	10	1.22
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	12	1.22
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	12	1.22
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	12	1.22
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	10	1.22
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	19	1.22
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	19	1.22
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	19	1.22
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	19	1.22
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	10	1.22
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	10	1.22
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	10	1.22
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	19	1.22
(1,286)	1:15:A:PHE:HB3	1:18:A:PHE:HB2	14	1.22
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	1	1.22
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	9	1.22
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	11	1.22
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	4	1.22
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	5	1.22
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	17	1.22
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	20	1.22
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	12	1.22
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	2	1.22
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	15	1.22
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	15	1.22
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	15	1.22
(1,724)	1:5:A:ASP:HB3	1:33:A:CYS:HA	16	1.21
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	18	1.21
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	18	1.21
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	11	1.21
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	13	1.21
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	4	1.21
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	13	1.21
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	15	1.21
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	1	1.21
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	10	1.21
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	12	1.21
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	20	1.21
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	20	1.21
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	20	1.21
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	20	1.21
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	20	1.21
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	20	1.21
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	17	1.21
(1,358)	1:6:A:ARG:HG3	1:32:A:ASN:HA	19	1.21
(1,358)	1:6:A:ARG:HG2	1:32:A:ASN:HA	19	1.21
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	1	1.21
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	1	1.21
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	1	1.21
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	13	1.21
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	15	1.21
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	19	1.21
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	1	1.21
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	1	1.21
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	1	1.21
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	1	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	2	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	2	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	3	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	3	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	3	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	4	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	4	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	4	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	5	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	5	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	5	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	6	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	6	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	6	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	7	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	7	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	7	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	13	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	13	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	13	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	15	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	15	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	15	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	17	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	17	1.21
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	17	1.21
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	5	1.21
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	5	1.21
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	7	1.21
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	14	1.21
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	20	1.21
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	4	1.21
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	7	1.21
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	10	1.21
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	4	1.21
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	17	1.21
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	3	1.21
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	3	1.21
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	3	1.21
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	11	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	11	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	14	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	14	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	16	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	19	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	19	1.2
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	10	1.2
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	14	1.2
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	15	1.2
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	1	1.2
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	17	1.2
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	8	1.2
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	13	1.2
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	15	1.2
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	2	1.2
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	11	1.2
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	11	1.2
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	20	1.2
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	20	1.2
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	18	1.2
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	18	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	5	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	14	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	14	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	14	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	14	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	14	1.2
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	14	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	1	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	1	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	1	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	1	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	1	1.2
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	1	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	3	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	3	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	3	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	3	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	3	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	4	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	6	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	10	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	11	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	13	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	15	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	19	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	19	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	19	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	19	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	19	1.2
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	8	1.2
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	9	1.2
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	11	1.2
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	14	1.2
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	18	1.2
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	6	1.2
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	5	1.2
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	3	1.2
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	3	1.2
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	15	1.2
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	15	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	3	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	3	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	3	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	8	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	8	1.2
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	8	1.2
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	4	1.2
(1,413)	1:21:A:ASP:H	1:26:A:GLY:HA3	8	1.2
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	7	1.2
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	9	1.2
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	6	1.2
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	2	1.2
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	1	1.2
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	9	1.2
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	11	1.2
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	12	1.2
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	3	1.2
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	3	1.2
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	8	1.2
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	8	1.2
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	6	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	6	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	9	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	9	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	12	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	12	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	1	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	2	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	3	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	5	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	7	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	8	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	9	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	11	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	16	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	18	1.19
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	20	1.19
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	6	1.19
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	3	1.19
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	4	1.19
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	6	1.19
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	17	1.19
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	1	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	2	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	5	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	7	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	7	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	7	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	7	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	7	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	8	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	9	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	12	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	14	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	16	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	17	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	18	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	18	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	18	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	18	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	18	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD11	20	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD12	20	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD13	20	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.19
(1,551)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.19
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	16	1.19
(1,542)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	20	1.19
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	18	1.19
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	15	1.19
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	15	1.19
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	18	1.19
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	4	1.19
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	2	1.19
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	8	1.19
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	14	1.19
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	12	1.19
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	12	1.19
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	12	1.19
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	12	1.19
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	18	1.19
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	18	1.19
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	18	1.19
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	18	1.19
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	2	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	4	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	4	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	4	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	10	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	10	1.19
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	10	1.19
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	3	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	3	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	8	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	8	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	20	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	20	1.18
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	13	1.18
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	17	1.18
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	13	1.18
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	20	1.18
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	2	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	12	1.18
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	19	1.18
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	3	1.18
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	10	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	11	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	11	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	11	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	11	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	11	1.18
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	11	1.18
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	8	1.18
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	14	1.18
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	16	1.18
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	18	1.18
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	20	1.18
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	14	1.18
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	14	1.18
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	12	1.18
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	12	1.18
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	12	1.18
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	3	1.18
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	6	1.18
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	11	1.18
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG21	1	1.18
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG22	1	1.18
(1,383)	1:16:A:LYS:HD2	1:36:A:THR:HG23	1	1.18
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG21	1	1.18
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG22	1	1.18
(1,383)	1:16:A:LYS:HD3	1:36:A:THR:HG23	1	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	1	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	1	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	1	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	8	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	8	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	8	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	9	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	9	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	9	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	11	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	11	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	11	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	12	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	12	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	14	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	14	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	14	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	16	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	16	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	16	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	18	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	18	1.18
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	18	1.18
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	18	1.18
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	10	1.18
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	17	1.18
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	15	1.18
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	15	1.18
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	19	1.18
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	19	1.18
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	2	1.17
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	2	1.17
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	12	1.17
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	19	1.17
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	7	1.17
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	16	1.17
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	3	1.17
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	5	1.17
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	14	1.17
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	14	1.17
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	15	1.17
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	15	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	9	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	16	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	16	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	16	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	16	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	16	1.17
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	1	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	2	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	5	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	7	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	9	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	10	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	11	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	12	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	15	1.17
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	17	1.17
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	10	1.17
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	10	1.17
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	13	1.17
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	13	1.17
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	19	1.17
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	19	1.17
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	19	1.17
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	11	1.17
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	11	1.17
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	2	1.17
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	3	1.17
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	4	1.17
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	5	1.17
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	7	1.17
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	4	1.17
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	13	1.17
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	13	1.17
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	13	1.17
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	13	1.17
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	20	1.17
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	9	1.17
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	11	1.17
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	7	1.17
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	2	1.17
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	2	1.17
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	2	1.17
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	2	1.17
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	17	1.17
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	17	1.17
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	17	1.17
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	17	1.17
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	2	1.17
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	2	1.17
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	2	1.17
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	16	1.17
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	16	1.17
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	16	1.17
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	7	1.17
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	7	1.17
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	7	1.17
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	7	1.16
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	7	1.16
(1,683)	1:33:A:CYS:HB2	1:34:A:LYS:H	4	1.16
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	7	1.16
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	12	1.16
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	18	1.16
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	5	1.16
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	2	1.16
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	4	1.16
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	7	1.16
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	19	1.16
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	9	1.16
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	9	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	7	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	7	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	7	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	7	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	7	1.16
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	7	1.16
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	3	1.16
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	4	1.16
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	6	1.16
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	13	1.16
(1,545)	1:30:A:ARG:HB3	1:30:A:ARG:HD2	19	1.16
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	19	1.16
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	19	1.16
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	19	1.16
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	19	1.16
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	19	1.16
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	19	1.16
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	5	1.16
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	5	1.16
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	11	1.16
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	19	1.16
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	17	1.16
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	17	1.16
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	6	1.16
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	13	1.16
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	17	1.16
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	1	1.16
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	15	1.16
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	14	1.16
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	20	1.16
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	10	1.16
(1,232)	1:30:A:ARG:H	1:30:A:ARG:HG3	16	1.16
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	11	1.16
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	11	1.16
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	11	1.16
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	5	1.15
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	5	1.15
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	3	1.15
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	5	1.15
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	8	1.15
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	5	1.15
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	7	1.15
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	5	1.15
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	13	1.15
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	15	1.15
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	7	1.15
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	1	1.15
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	1	1.15
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	8	1.15
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	8	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	17	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	17	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	17	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	17	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	17	1.15
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	17	1.15
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	3	1.15
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	3	1.15
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	10	1.15
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	10	1.15
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	10	1.15
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	10	1.15
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	10	1.15
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	2	1.15
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	2	1.15
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	18	1.15
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	18	1.15
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	3	1.15
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	5	1.15
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	10	1.15
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	15	1.15
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	17	1.15
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	6	1.15
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	6	1.15
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	6	1.15
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	6	1.15
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	2	1.15
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	5	1.15
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	20	1.15
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	20	1.15
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	20	1.15
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	20	1.15
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	8	1.15
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	8	1.15
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	2	1.15
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	17	1.15
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	20	1.15
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	20	1.15
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	20	1.15
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	14	1.15
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	14	1.15
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	14	1.15
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	20	1.15
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	20	1.15
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	20	1.15
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	15	1.14
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	15	1.14
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	2	1.14
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	4	1.14
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	6	1.14
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	19	1.14
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	6	1.14
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	3	1.14
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	3	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	18	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	18	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	18	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	18	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	18	1.14
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	18	1.14
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	9	1.14
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	9	1.14
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	9	1.14
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	9	1.14
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	9	1.14
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	9	1.14
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	3	1.14
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD2	16	1.14
(1,477)	1:31:A:ALA:HA	1:34:A:LYS:HD3	16	1.14
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	11	1.14
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	14	1.14
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	15	1.14
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	12	1.14
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	12	1.14
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	12	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	8	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	8	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	8	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	9	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	9	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	9	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	16	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	16	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	16	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	18	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	18	1.14
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	18	1.14
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	5	1.14
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	2	1.14
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	9	1.14
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	12	1.14
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	9	1.14
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	9	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	8	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	8	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	8	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	18	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	18	1.14
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	18	1.14
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	19	1.14
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	19	1.14
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	19	1.14
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	15	1.13
(1,664)	1:10:A:HIS:H	1:11:A:ILE:HB	19	1.13
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	4	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	3	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	9	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	11	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	13	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	15	1.13
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	20	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	6	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	6	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	7	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	7	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	13	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	13	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	17	1.13
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	17	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	2	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	6	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	6	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	6	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	6	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	6	1.13
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	6	1.13
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	7	1.13
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	7	1.13
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	15	1.13
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	15	1.13
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	15	1.13
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	15	1.13
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	15	1.13
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	4	1.13
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	4	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	1	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	2	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	4	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	7	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	9	1.13
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	19	1.13
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	3	1.13
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	3	1.13
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	20	1.13
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	5	1.13
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	19	1.13
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	3	1.13
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	4	1.13
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	4	1.13
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	4	1.13
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	4	1.13
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	14	1.13
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	14	1.13
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	14	1.13
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	14	1.13
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	7	1.13
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	12	1.13
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	13	1.13
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	17	1.13
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	3	1.13
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	12	1.13
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	12	1.13
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	12	1.13
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	8	1.13
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	8	1.13
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	8	1.13
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	4	1.12
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	13	1.12
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	14	1.12
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	17	1.12
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	20	1.12
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	19	1.12
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	5	1.12
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	5	1.12
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	9	1.12
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	9	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	19	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	19	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	19	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	19	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	19	1.12
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	19	1.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	10	1.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	10	1.12
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	6	1.12
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	6	1.12
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	6	1.12
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	6	1.12
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	6	1.12
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	6	1.12
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	10	1.12
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	10	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	4	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	4	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	4	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	18	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	18	1.12
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	18	1.12
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	8	1.12
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	12	1.12
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	16	1.12
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	18	1.12
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	13	1.12
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	5	1.12
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	2	1.12
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	4	1.12
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	16	1.12
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	3	1.12
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	3	1.12
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	3	1.12
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	20	1.12
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	20	1.12
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	20	1.12
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	4	1.12
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	4	1.12
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	11	1.12
(1,214)	1:13:A:GLU:HA	1:16:A:LYS:HG3	7	1.12
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	16	1.12
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	4	1.12
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	5	1.12
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	5	1.12
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	5	1.12
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	5	1.12
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	1	1.12
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	1	1.12
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	1	1.12
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	1	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	5	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	5	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	5	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	9	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	9	1.12
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	9	1.12
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	12	1.11
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	14	1.11
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	17	1.11
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	17	1.11
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	1	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	17	1.11
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	17	1.11
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	13	1.11
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	13	1.11
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	7	1.11
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	14	1.11
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	14	1.11
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	14	1.11
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	14	1.11
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	14	1.11
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	14	1.11
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	16	1.11
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	19	1.11
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	6	1.11
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE2	3	1.11
(1,347)	1:16:A:LYS:HB2	1:16:A:LYS:HE3	3	1.11
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE2	3	1.11
(1,347)	1:16:A:LYS:HB3	1:16:A:LYS:HE3	3	1.11
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	19	1.11
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	19	1.11
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	10	1.11
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	18	1.11
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	7	1.11
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	20	1.11
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	17	1.11
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	20	1.11
(1,228)	1:33:A:CYS:HB2	1:36:A:THR:HB	19	1.11
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	13	1.11
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	10	1.11
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	12	1.11
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	15	1.11
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	17	1.11
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	19	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	1	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	1	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	1	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	1	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	16	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	16	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	16	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	16	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	19	1.11
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	19	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	19	1.11
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	9	1.11
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	14	1.11
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	16	1.11
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	3	1.11
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	14	1.11
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	14	1.11
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	14	1.11
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	3	1.11
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	3	1.11
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	3	1.11
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	1	1.1
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	2	1.1
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	4	1.1
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	15	1.1
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	19	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	13	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	13	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	13	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	13	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	13	1.1
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	13	1.1
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	5	1.1
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	1	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	13	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	13	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	13	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	16	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	16	1.1
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	16	1.1
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	6	1.1
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	8	1.1
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	7	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	3	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	5	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	6	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	7	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	8	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	11	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	12	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	13	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	15	1.1
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	19	1.1
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	11	1.1
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	11	1.1
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	11	1.1
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	11	1.1
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	16	1.1
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	16	1.1
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	16	1.1
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	16	1.1
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	15	1.1
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	18	1.1
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	8	1.1
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	10	1.1
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	6	1.1
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	13	1.1
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	20	1.1
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	20	1.1
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	20	1.1
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	20	1.1
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	8	1.1
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	11	1.1
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	12	1.1
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	18	1.1
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	7	1.1
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	6	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	11	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	11	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	11	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	16	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	16	1.1
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	16	1.1
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	9	1.09
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	9	1.09
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	5	1.09
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	18	1.09
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	5	1.09
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	6	1.09
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	13	1.09
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	14	1.09
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	14	1.09
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	14	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	8	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	8	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	8	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	8	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	8	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	20	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	20	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	20	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	20	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	20	1.09
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	20	1.09
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	5	1.09
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	7	1.09
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	17	1.09
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	9	1.09
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	9	1.09
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	11	1.09
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	11	1.09
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	11	1.09
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	11	1.09
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	11	1.09
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	11	1.09
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	7	1.09
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	17	1.09
(1,422)	1:33:A:CYS:H	1:34:A:LYS:HA	20	1.09
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	12	1.09
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	20	1.09
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	4	1.09
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	13	1.09
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	10	1.09
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	10	1.09
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	10	1.09
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	1	1.09
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	9	1.09
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	14	1.09
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	8	1.09
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	8	1.09
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	8	1.09
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	8	1.09
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	18	1.09
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	18	1.09
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	18	1.09
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	6	1.09
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	8	1.09
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	13	1.09
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	16	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	1	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	2	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	3	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	5	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	7	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	8	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	18	1.09
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	20	1.09
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	1	1.09
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	10	1.09
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	7	1.09
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	20	1.09
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	20	1.09
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	20	1.09
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	4	1.09
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	10	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	1	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	1	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	1	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	6	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	6	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	6	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	18	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	18	1.09
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	18	1.09
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	6	1.08
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	3	1.08
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	7	1.08
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	10	1.08
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	13	1.08
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	1	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	3	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	7	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	11	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	16	1.08
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	18	1.08
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	2	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	19	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	19	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	19	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	19	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	19	1.08
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	19	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	3	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	3	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	3	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	3	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	3	1.08
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	3	1.08
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	9	1.08
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	9	1.08
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	9	1.08
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	9	1.08
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	11	1.08
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	17	1.08
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	19	1.08
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	4	1.08
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	6	1.08
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	11	1.08
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	13	1.08
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	3	1.08
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	3	1.08
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	3	1.08
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	3	1.08
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	3	1.08
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	3	1.08
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	20	1.08
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	20	1.08
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	20	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	2	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	7	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	8	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	16	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	18	1.08
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	19	1.08
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	6	1.08
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	1	1.08
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	1	1.08
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	14	1.08
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	14	1.08
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	14	1.08
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	2	1.08
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	17	1.08
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	14	1.08
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	14	1.08
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	14	1.08
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	3	1.08
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	5	1.08
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	15	1.08
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	16	1.08
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	17	1.08
(1,260)	1:6:A:ARG:H	1:6:A:ARG:HD3	10	1.08
(1,239)	1:28:A:LYS:HA	1:32:A:ASN:HD21	18	1.08
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	1	1.08
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	9	1.08
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	11	1.08
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	13	1.08
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	15	1.08
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	3	1.08
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	3	1.08
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	5	1.08
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	5	1.08
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	19	1.08
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	13	1.08
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	12	1.08
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	12	1.08
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	12	1.08
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	12	1.08
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	12	1.08
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	12	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	17	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	17	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	17	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	19	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	19	1.08
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	19	1.08
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	5	1.08
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	5	1.08
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	18	1.07
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	2	1.07
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	11	1.07
(1,634)	1:11:A:ILE:HA	1:11:A:ILE:HG12	17	1.07
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	9	1.07
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	10	1.07
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	12	1.07
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	10	1.07
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	13	1.07
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	13	1.07
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	13	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	1	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	4	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	6	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	12	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	13	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	14	1.07
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	16	1.07
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	3	1.07
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	14	1.07
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	14	1.07
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	13	1.07
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	13	1.07
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	13	1.07
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	13	1.07
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	13	1.07
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	13	1.07
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	1	1.07
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	1	1.07
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	11	1.07
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	11	1.07
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	18	1.07
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	18	1.07
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	10	1.07
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD1	1	1.07
(1,433)	1:15:A:PHE:HB2	1:18:A:PHE:HD2	1	1.07
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	6	1.07
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	6	1.07
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	3	1.07
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	12	1.07
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	12	1.07
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	3	1.07
(1,326)	1:30:A:ARG:HA	1:30:A:ARG:HG2	20	1.07
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	5	1.07
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	5	1.07
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	5	1.07
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	5	1.07
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	13	1.07
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	13	1.07
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	13	1.07
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	13	1.07
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	10	1.07
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	10	1.07
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	10	1.07
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	15	1.07
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	15	1.07
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	15	1.07
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	12	1.07
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	14	1.07
(1,194)	1:26:A:GLY:HA2	1:30:A:ARG:H	16	1.07
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	11	1.07
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	11	1.07
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	11	1.07
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	11	1.07
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	2	1.07
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	5	1.07
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	6	1.07
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	7	1.07
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	20	1.07
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	5	1.07
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	10	1.07
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	10	1.07
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	14	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	16	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	16	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	16	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	18	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	18	1.07
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	18	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	13	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	13	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	13	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	15	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	15	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	17	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	17	1.07
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	17	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	13	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	13	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	13	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	15	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	15	1.07
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	15	1.07
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	16	1.06
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	5	1.06
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	7	1.06
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	1	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	11	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	11	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	11	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	18	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	18	1.06
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	18	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	15	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	15	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	15	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	15	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	15	1.06
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	15	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	3	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	4	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	9	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	11	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	13	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	14	1.06
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	15	1.06
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	3	1.06
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	9	1.06
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	1	1.06
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	1	1.06
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	2	1.06
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	2	1.06
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	2	1.06
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	2	1.06
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	2	1.06
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	16	1.06
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	16	1.06
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	5	1.06
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	14	1.06
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	14	1.06
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	14	1.06
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	5	1.06
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	5	1.06
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	12	1.06
(1,402)	1:19:A:CYS:HA	1:29:A:LEU:HB2	17	1.06
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	6	1.06
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	11	1.06
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	12	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	16	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	16	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	16	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	18	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	18	1.06
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	18	1.06
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	15	1.06
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	4	1.06
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	15	1.06
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	3	1.06
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	4	1.06
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	17	1.06
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	2	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	8	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	8	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	8	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	14	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	14	1.06
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	14	1.06
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	2	1.06
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	18	1.06
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	9	1.06
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	11	1.06
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	13	1.06
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	15	1.06
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	4	1.06
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	4	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	4	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	4	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	4	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	5	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	5	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	5	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	6	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	6	1.06
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	6	1.06
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	13	1.06
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	19	1.06
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	7	1.05
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	7	1.05
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	7	1.05
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	7	1.05
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	7	1.05
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	7	1.05
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	15	1.05
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	17	1.05
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	14	1.05
(1,601)	1:35:A:LYS:HA	1:39:A:LEU:H	19	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	12	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	12	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	12	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	20	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	20	1.05
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	20	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	10	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	10	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	10	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	10	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	10	1.05
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	10	1.05
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	10	1.05
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	18	1.05
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	1	1.05
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	13	1.05
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	13	1.05
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	18	1.05
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	18	1.05
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	18	1.05
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	18	1.05
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	18	1.05
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	7	1.05
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	7	1.05
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	9	1.05
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	4	1.05
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	14	1.05
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	14	1.05
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	20	1.05
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	4	1.05
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	13	1.05
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	3	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	9	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	9	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	9	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	11	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	11	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	11	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	17	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	17	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	17	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	20	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	20	1.05
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	20	1.05
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	14	1.05
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	18	1.05
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	9	1.05
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	1	1.05
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	14	1.05
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	19	1.05
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	6	1.05
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	13	1.05
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	15	1.05
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	5	1.05
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	7	1.05
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	8	1.05
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD11	8	1.05
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD12	8	1.05
(1,108)	1:30:A:ARG:HA	1:39:A:LEU:HD13	8	1.05
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	4	1.05
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	4	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	3	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	3	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	3	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	7	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	7	1.05
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	7	1.05
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	12	1.05
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	1	1.05
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	1	1.05
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	1	1.05
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	12	1.05
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	12	1.05
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	12	1.05
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	2	1.05
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	18	1.04
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	8	1.04
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	2	1.04
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	12	1.04
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	12	1.04
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	16	1.04
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	8	1.04
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	15	1.04
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	10	1.04
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	15	1.04
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	8	1.04
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	8	1.04
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	7	1.04
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	18	1.04
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	18	1.04
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	2	1.04
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	16	1.04
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	2	1.04
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	2	1.04
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	2	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	2	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	2	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	2	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	10	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	10	1.04
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	10	1.04
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	6	1.04
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	8	1.04
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	14	1.04
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	16	1.04
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	20	1.04
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	20	1.04
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	20	1.04
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	9	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	9	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	9	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	9	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	9	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	9	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	11	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	11	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	11	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	11	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	11	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	11	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	18	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	18	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	18	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	18	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	18	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	18	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	20	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	20	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	20	1.03
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	20	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	20	1.03
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	20	1.03
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	16	1.03
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	1	1.03
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	3	1.03
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	8	1.03
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	20	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD11	4	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD12	4	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD13	4	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD21	4	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD22	4	1.03
(1,561)	1:19:A:CYS:H	1:29:A:LEU:HD23	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	12	1.03
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	14	1.03
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	15	1.03
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	14	1.03
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	7	1.03
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	4	1.03
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	4	1.03
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	4	1.03
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	4	1.03
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	4	1.03
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	4	1.03
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	6	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	6	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	6	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	6	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	11	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	11	1.03
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	11	1.03
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	20	1.03
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	1	1.03
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	1	1.03
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	1	1.03
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	4	1.03
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	4	1.03
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	13	1.03
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	11	1.03
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	12	1.03
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	17	1.03
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD11	20	1.03
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD12	20	1.03
(1,312)	1:39:A:LEU:HB2	1:39:A:LEU:HD13	20	1.03
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	20	1.03
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	20	1.03
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	1	1.03
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	13	1.03
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	2	1.03
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	2	1.03
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	3	1.03
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	7	1.03
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	14	1.03
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	6	1.03
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	14	1.03
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	14	1.03
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	14	1.03
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	4	1.03
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	7	1.03
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	9	1.03
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	9	1.03
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	9	1.03
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	16	1.03
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	2	1.03
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	2	1.03
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	19	1.03
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	14	1.03
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	14	1.03
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	14	1.03
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD11	10	1.03
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD12	10	1.03
(1,105)	1:37:A:CYS:HB2	1:39:A:LEU:HD13	10	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	10	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	10	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	10	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	19	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	19	1.03
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	19	1.03
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	5	1.03
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	5	1.03
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	5	1.03
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	3	1.03
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	1	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	1	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	1	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	1	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	1	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	1	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	8	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	8	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	8	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	8	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	8	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	8	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	12	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	12	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	12	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	12	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	12	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	14	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	14	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	14	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	14	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	14	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	14	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	15	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	15	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	15	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	15	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	15	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	15	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	16	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	16	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	16	1.02
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	16	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	16	1.02
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	16	1.02
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	11	1.02
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	12	1.02
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	10	1.02
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	14	1.02
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	18	1.02
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	8	1.02
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	19	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	5	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	5	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	5	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	5	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	5	1.02
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	5	1.02
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	2	1.02
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	2	1.02
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	7	1.02
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	13	1.02
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	15	1.02
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	19	1.02
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	12	1.02
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	18	1.02
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	12	1.02
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	12	1.02
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	12	1.02
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	12	1.02
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	12	1.02
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	12	1.02
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	16	1.02
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	16	1.02
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	16	1.02
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	16	1.02
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	16	1.02
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	16	1.02
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	3	1.02
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	13	1.02
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	11	1.02
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	17	1.02
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	20	1.02
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	10	1.02
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	14	1.02
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	19	1.02
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	8	1.02
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	8	1.02
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	8	1.02
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	1	1.02
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	15	1.02
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	15	1.02
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	2	1.02
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	8	1.02
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	10	1.02
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	16	1.02
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	5	1.02
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	6	1.02
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	13	1.02
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	12	1.02
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	12	1.02
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	6	1.02
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	3	1.02
(1,216)	1:16:A:LYS:H	1:16:A:LYS:HG3	9	1.02
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	17	1.02
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	4	1.02
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	1	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	7	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	7	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	7	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	16	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	16	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	16	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	18	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	18	1.02
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	18	1.02
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	3	1.02
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	4	1.02
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	7	1.02
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	17	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	12	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	12	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	12	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	16	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	16	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	16	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	17	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	17	1.02
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	17	1.02
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	1	1.02
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	5	1.02
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	17	1.02
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	19	1.02
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	6	1.02
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	15	1.02
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	3	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	3	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	3	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	3	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	3	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	3	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	4	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	4	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	4	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	4	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	4	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	6	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	6	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	6	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	6	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	6	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	6	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	13	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	13	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	13	1.01
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	13	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	13	1.01
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	13	1.01
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	1	1.01
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	4	1.01
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	9	1.01
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	14	1.01
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	20	1.01
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	9	1.01
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	20	1.01
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	7	1.01
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	7	1.01
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	3	1.01
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	8	1.01
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	9	1.01
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	13	1.01
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	13	1.01
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	13	1.01
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	15	1.01
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	2	1.01
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	15	1.01
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	15	1.01
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	15	1.01
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	15	1.01
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	7	1.01
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	9	1.01
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	15	1.01
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	7	1.01
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	17	1.01
(1,394)	1:16:A:LYS:H	1:18:A:PHE:H	9	1.01
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	9	1.01
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	14	1.01
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	7	1.01
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	4	1.01
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	6	1.01
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	12	1.01
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	14	1.01
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	18	1.01
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	8	1.01
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	14	1.01
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	5	1.01
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	15	1.01
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	9	1.01
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	11	1.01
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	14	1.01
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	17	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	1	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	1	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	1	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	11	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	11	1.01
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	11	1.01
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	12	1.01
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	12	1.01
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	10	1.01
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	10	1.01
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	10	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	2	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	2	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	2	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	5	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	5	1.01
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	5	1.01
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	8	1.01
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	8	1.01
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	8	1.01
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	3	1.01
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	2	1.01
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	2	1.01
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	13	1.01
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	10	1.01
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	2	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	2	1.0
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	2	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	2	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	2	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	7	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	7	1.0
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	7	1.0
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	7	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	7	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	7	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	17	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	17	1.0
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	17	1.0
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	17	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	17	1.0
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	17	1.0
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	3	1.0
(1,586)	1:38:A:GLY:H	1:39:A:LEU:HG	20	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	4	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	4	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	4	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	4	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	4	1.0
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	4	1.0
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	5	1.0
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	16	1.0
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	18	1.0
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	20	1.0
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	20	1.0
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	3	1.0
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	3	1.0
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	15	1.0
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	15	1.0
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	16	1.0
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	16	1.0
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	16	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	2	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	3	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	4	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	5	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	6	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	7	1.0
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	9	1.0
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	9	1.0
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	9	1.0
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	10	1.0
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	19	1.0
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	16	1.0
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	16	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	1	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	3	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	5	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	6	1.0
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	14	1.0
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	20	1.0
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	5	1.0
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	5	1.0
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	5	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	10	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	10	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	10	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	13	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	13	1.0
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	13	1.0
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	12	1.0
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	18	1.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	3	1.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	3	1.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	6	1.0
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	6	1.0
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	3	1.0
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	5	1.0
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	16	1.0
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	18	1.0
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	6	1.0
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	18	1.0
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	18	1.0
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	18	1.0
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	17	1.0
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	17	1.0
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	15	1.0
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	19	1.0
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	4	1.0
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	19	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	1	1.0
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	2	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	6	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	6	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	6	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	7	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	7	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	7	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	13	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	13	1.0
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	13	1.0
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	11	1.0
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	11	1.0
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	11	1.0
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	9	1.0
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	10	1.0
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	13	1.0
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	13	1.0
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	13	1.0
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	13	1.0
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	12	1.0
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	12	1.0
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	9	1.0
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	14	1.0
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	16	1.0
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	18	1.0
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	20	1.0
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	10	0.99
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	10	0.99
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	10	0.99
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	10	0.99
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	10	0.99
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	10	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	9	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	9	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	9	0.99
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	9	0.99
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	9	0.99
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	9	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	14	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	14	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	14	0.99
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	14	0.99
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	14	0.99
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	10	0.99
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	4	0.99
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	16	0.99
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	16	0.99
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	16	0.99
(1,604)	1:39:A:LEU:H	1:40:A:CYS:H	20	0.99
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	8	0.99
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	8	0.99
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	8	0.99
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	5	0.99
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	6	0.99
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	7	0.99
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	19	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	3	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	3	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	3	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	3	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	3	0.99
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	3	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	15	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	15	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	15	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	15	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	15	0.99
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	15	0.99
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	10	0.99
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	4	0.99
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	6	0.99
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	10	0.99
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	6	0.99
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	6	0.99
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	4	0.99
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	10	0.99
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	19	0.99
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	7	0.99
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	7	0.99
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	7	0.99
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	18	0.99
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	18	0.99
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	11	0.99
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	13	0.99
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	13	0.99
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	15	0.99
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	19	0.99
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	10	0.99
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	10	0.99
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	17	0.99
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	17	0.99
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	17	0.99
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	17	0.99
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	9	0.99
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	8	0.99
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	16	0.99
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	19	0.99
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	4	0.99
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	4	0.99
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	4	0.99
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	6	0.99
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	13	0.99
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	16	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	3	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	3	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	3	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	12	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	12	0.99
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	12	0.99
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	8	0.99
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	3	0.99
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	6	0.99
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	5	0.99
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	1	0.99
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	1	0.99
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	1	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	3	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	3	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	3	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	18	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	18	0.99
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	18	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	7	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	11	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	15	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	18	0.99
(1,97)	1:8:A:HIS:H	1:9:A:GLY:H	20	0.99
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	11	0.99
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	5	0.98
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	5	0.98
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	5	0.98
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	5	0.98
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	5	0.98
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	5	0.98
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	15	0.98
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	12	0.98
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	14	0.98
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	14	0.98
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	14	0.98
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	9	0.98
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	9	0.98
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	9	0.98
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	17	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	2	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	2	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	2	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	2	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	2	0.98
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	2	0.98
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	7	0.98
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	7	0.98
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	7	0.98
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	11	0.98
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	12	0.98
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	8	0.98
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	8	0.98
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	8	0.98
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	8	0.98
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	8	0.98
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	8	0.98
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	12	0.98
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	12	0.98
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	12	0.98
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	16	0.98
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	11	0.98
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	2	0.98
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	10	0.98
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	13	0.98
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	7	0.98
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	7	0.98
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	9	0.98
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ1	6	0.98
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ2	6	0.98
(1,386)	1:20:A:LYS:HB3	1:20:A:LYS:HZ3	6	0.98
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	8	0.98
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	16	0.98
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	5	0.98
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	5	0.98
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	1	0.98
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG21	20	0.98
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG22	20	0.98
(1,330)	1:16:A:LYS:HA	1:36:A:THR:HG23	20	0.98
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	3	0.98
(1,291)	1:5:A:ASP:HB3	1:6:A:ARG:H	11	0.98
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	17	0.98
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	9	0.98
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	10	0.98
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	2	0.98
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	2	0.98
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	2	0.98
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	4	0.98
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	14	0.98
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	19	0.98
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	7	0.98
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	19	0.98
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	5	0.98
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	5	0.98
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	5	0.98
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	13	0.98
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	13	0.98
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	7	0.98
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	7	0.98
(1,110)	1:24:A:ARG:HB2	1:24:A:ARG:HE	20	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	2	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	2	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	9	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	9	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	9	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	11	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	11	0.98
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	11	0.98
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	15	0.98
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	15	0.98
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	15	0.98
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	9	0.98
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	9	0.98
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	9	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	2	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	2	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	2	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	7	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	7	0.98
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	7	0.98
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	7	0.98
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	14	0.98
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	15	0.98
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	5	0.97
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	5	0.97
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	5	0.97
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	5	0.97
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	5	0.97
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	5	0.97
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	18	0.97
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	18	0.97
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	18	0.97
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	3	0.97
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	13	0.97
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	5	0.97
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	5	0.97
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE2	13	0.97
(1,572)	1:28:A:LYS:H	1:28:A:LYS:HE3	13	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	6	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	6	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	6	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	6	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	6	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	10	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	10	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	10	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	10	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	10	0.97
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	10	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	12	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	12	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	12	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	12	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	12	0.97
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	12	0.97
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	8	0.97
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	19	0.97
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	14	0.97
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	14	0.97
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	12	0.97
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	12	0.97
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	14	0.97
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	14	0.97
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	14	0.97
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	19	0.97
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	10	0.97
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	10	0.97
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	10	0.97
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	1	0.97
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	17	0.97
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	4	0.97
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	16	0.97
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	18	0.97
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	7	0.97
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	9	0.97
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	9	0.97
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	9	0.97
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	7	0.97
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	11	0.97
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	4	0.97
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	7	0.97
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	2	0.97
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	2	0.97
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	2	0.97
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	2	0.97
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	8	0.97
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	8	0.97
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	8	0.97
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	10	0.97
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	10	0.97
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	10	0.97
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	16	0.97
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	16	0.97
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	16	0.97
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	20	0.97
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	20	0.97
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	20	0.97
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	2	0.97
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	4	0.97
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	6	0.97
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	19	0.97
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	8	0.97
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	9	0.97
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	11	0.97
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	16	0.97
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	1	0.97
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	8	0.97
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	18	0.97
(1,174)	1:33:A:CYS:HB2	1:37:A:CYS:H	19	0.97
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	19	0.97
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	19	0.97
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	19	0.97
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	2	0.97
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	2	0.97
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	18	0.97
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	18	0.97
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	2	0.97
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	13	0.97
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	6	0.97
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	4	0.97
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	4	0.97
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	4	0.97
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	8	0.97
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	8	0.97
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	1	0.97
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	1	0.97
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	1	0.97
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	2	0.97
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	2	0.97
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	2	0.97
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	2	0.97
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	4	0.97
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	6	0.97
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	8	0.97
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	12	0.96
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	12	0.96
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	12	0.96
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	5	0.96
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	15	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	5	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	5	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	5	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	5	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	5	0.96
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	5	0.96
(1,536)	1:5:A:ASP:HA	1:7:A:ALA:H	20	0.96
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	16	0.96
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	18	0.96
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	20	0.96
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	9	0.96
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	8	0.96
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	8	0.96
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	19	0.96
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	19	0.96
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	11	0.96
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	11	0.96
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	11	0.96
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	18	0.96
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	18	0.96
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	18	0.96
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	20	0.96
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	20	0.96
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	20	0.96
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	11	0.96
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	19	0.96
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:34:A:LYS:HA	1:34:A:LYS:HG2	12	0.96
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	3	0.96
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	13	0.96
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	15	0.96
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	6	0.96
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	8	0.96
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	1	0.96
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	1	0.96
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	1	0.96
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	1	0.96
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	15	0.96
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	15	0.96
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	15	0.96
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	17	0.96
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	17	0.96
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	9	0.96
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	12	0.96
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	16	0.96
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	18	0.96
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	18	0.96
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	18	0.96
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	10	0.96
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	1	0.96
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	9	0.96
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	9	0.96
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	9	0.96
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	11	0.96
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	11	0.96
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	11	0.96
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	12	0.96
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	12	0.96
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	12	0.96
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	15	0.96
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	15	0.96
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	15	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	3	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	5	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	7	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	8	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	10	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	12	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	15	0.96
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	17	0.96
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	20	0.96
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	20	0.96
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	17	0.96
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	18	0.96
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	19	0.96
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	19	0.96
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	3	0.96
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	8	0.96
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	9	0.96
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	6	0.96
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	6	0.96
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	6	0.96
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	10	0.96
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	15	0.96
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	17	0.96
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	12	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	12	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	12	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	12	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	16	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	16	0.96
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	16	0.96
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	20	0.96
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	20	0.96
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	20	0.96
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	3	0.96
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	3	0.96
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	3	0.96
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	9	0.96
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	11	0.96
(1,88)	1:25:A:ASN:H	1:25:A:ASN:HD21	2	0.96
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	4	0.95
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	4	0.95
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	4	0.95
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	20	0.95
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	2	0.95
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	8	0.95
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	8	0.95
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	8	0.95
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	9	0.95
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	9	0.95
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	11	0.95
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	11	0.95
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	11	0.95
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	2	0.95
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	1	0.95
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	9	0.95
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	11	0.95
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	19	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	20	0.95
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	20	0.95
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	15	0.95
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	15	0.95
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	3	0.95
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	3	0.95
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	19	0.95
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	19	0.95
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	16	0.95
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	16	0.95
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	16	0.95
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	3	0.95
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	8	0.95
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	13	0.95
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	15	0.95
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	5	0.95
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	4	0.95
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	6	0.95
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	17	0.95
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	19	0.95
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	17	0.95
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	17	0.95
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	5	0.95
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	15	0.95
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	15	0.95
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	15	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	3	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	3	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	3	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	4	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	4	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	4	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	6	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	6	0.95
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	6	0.95
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	10	0.95
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	10	0.95
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	17	0.95
(1,344)	1:14:A:SER:H	1:14:A:SER:HB3	5	0.95
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	11	0.95
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	4	0.95
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	7	0.95
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	15	0.95
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	6	0.95
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	6	0.95
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	6	0.95
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	1	0.95
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	4	0.95
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	19	0.95
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	7	0.95
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	7	0.95
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	7	0.95
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	18	0.95
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	19	0.95
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	6	0.95
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	12	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	2	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	2	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	2	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	13	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	13	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	13	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	15	0.95
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	15	0.95
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	19	0.95
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	20	0.95
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	11	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	14	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	14	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	14	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	18	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	18	0.95
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	18	0.95
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	18	0.95
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	18	0.95
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	5	0.95
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	13	0.95
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	1	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	2	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	2	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	2	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	2	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	2	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	2	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	3	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	3	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	3	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	3	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	3	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	3	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	12	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	12	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	12	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	12	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	12	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	12	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	19	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	19	0.94
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	19	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	19	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	19	0.94
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	19	0.94
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	2	0.94
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	8	0.94
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	10	0.94
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	12	0.94
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	8	0.94
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	19	0.94
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	19	0.94
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	19	0.94
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	10	0.94
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	12	0.94
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	7	0.94
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	19	0.94
(1,573)	1:28:A:LYS:H	1:28:A:LYS:HG3	14	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	8	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	12	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	13	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	13	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	13	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	13	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	13	0.94
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	13	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	6	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	6	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	6	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	6	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	6	0.94
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	6	0.94
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	2	0.94
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	8	0.94
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	6	0.94
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	2	0.94
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	2	0.94
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	6	0.94
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	9	0.94
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	9	0.94
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	9	0.94
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	9	0.94
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	9	0.94
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	10	0.94
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	10	0.94
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	10	0.94
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	12	0.94
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	12	0.94
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	12	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	3	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	5	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	7	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	9	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	10	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	11	0.94
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	20	0.94
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	10	0.94
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	11	0.94
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	14	0.94
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	15	0.94
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	13	0.94
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	13	0.94
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	13	0.94
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	10	0.94
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	10	0.94
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	10	0.94
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	2	0.94
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	2	0.94
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	2	0.94
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	17	0.94
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	17	0.94
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	17	0.94
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	2	0.94
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	2	0.94
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	12	0.94
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	17	0.94
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	10	0.94
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	13	0.94
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	8	0.94
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE2	13	0.94
(1,180)	1:35:A:LYS:HG2	1:35:A:LYS:HE3	13	0.94
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE2	13	0.94
(1,180)	1:35:A:LYS:HG3	1:35:A:LYS:HE3	13	0.94
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	17	0.94
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	18	0.94
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	9	0.94
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	15	0.94
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	17	0.94
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	17	0.94
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	17	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	12	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	12	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	12	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	19	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	19	0.94
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	19	0.94
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	17	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	4	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	4	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	4	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	4	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	4	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	4	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	6	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	6	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	6	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	6	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	6	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	6	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	11	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	11	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	11	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	11	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	11	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	11	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	18	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	18	0.93
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	18	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	18	0.93
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	18	0.93
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	16	0.93
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	18	0.93
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	2	0.93
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	9	0.93
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	11	0.93
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	2	0.93
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	7	0.93
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	7	0.93
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	7	0.93
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	2	0.93
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	7	0.93
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	8	0.93
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	8	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	15	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	20	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	20	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	20	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	20	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	20	0.93
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	20	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	18	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	18	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	18	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	18	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	18	0.93
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	18	0.93
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	1	0.93
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	17	0.93
(1,539)	1:22:A:SER:H	1:23:A:GLY:H	20	0.93
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	9	0.93
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	9	0.93
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	8	0.93
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	8	0.93
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	2	0.93
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	2	0.93
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	15	0.93
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	8	0.93
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	8	0.93
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	8	0.93
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	14	0.93
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	14	0.93
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	14	0.93
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	9	0.93
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD11	20	0.93
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD12	20	0.93
(1,445)	1:11:A:ILE:HA	1:11:A:ILE:HD13	20	0.93
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	9	0.93
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	14	0.93
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	9	0.93
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	17	0.93
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	17	0.93
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	1	0.93
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	12	0.93
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	10	0.93
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	10	0.93
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	10	0.93
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	7	0.93
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	7	0.93
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	7	0.93
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	7	0.93
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	10	0.93
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	14	0.93
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	1	0.93
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	1	0.93
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	12	0.93
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	12	0.93
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	12	0.93
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	2	0.93
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	3	0.93
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	11	0.93
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	3	0.93
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	3	0.93
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	3	0.93
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	5	0.93
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	5	0.93
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	5	0.93
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	14	0.93
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	14	0.93
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	1	0.93
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	9	0.93
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	11	0.93
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	16	0.93
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	20	0.93
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	8	0.93
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	8	0.93
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	15	0.93
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	15	0.93
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	5	0.93
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	6	0.93
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	17	0.93
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	12	0.93
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	9	0.93
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	5	0.93
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	5	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	4	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	4	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	4	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	17	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	17	0.93
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	17	0.93
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	12	0.93
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	16	0.93
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	1	0.93
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	13	0.93
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	20	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	11	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	11	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	11	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	14	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	14	0.93
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	14	0.93
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD11	8	0.93
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD12	8	0.93
(1,101)	1:30:A:ARG:H	1:39:A:LEU:HD13	8	0.93
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	17	0.93
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	12	0.93
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	20	0.92
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	16	0.92
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	16	0.92
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	16	0.92
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	16	0.92
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	16	0.92
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	16	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	3	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	6	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	13	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	15	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	17	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	1	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	4	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	8	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	16	0.92
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	18	0.92
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	5	0.92
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	3	0.92
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	3	0.92
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	10	0.92
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	10	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	11	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	18	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	18	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	18	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	18	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	18	0.92
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	18	0.92
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	3	0.92
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	3	0.92
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	13	0.92
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	13	0.92
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	13	0.92
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	13	0.92
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	13	0.92
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	11	0.92
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	4	0.92
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	6	0.92
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	19	0.92
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	8	0.92
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	2	0.92
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	12	0.92
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	14	0.92
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	18	0.92
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	19	0.92
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	19	0.92
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	19	0.92
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	10	0.92
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	17	0.92
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	13	0.92
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	13	0.92
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	13	0.92
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	13	0.92
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	6	0.92
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	6	0.92
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	6	0.92
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	13	0.92
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	13	0.92
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	13	0.92
(1,264)	1:29:A:LEU:H	1:31:A:ALA:H	14	0.92
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	2	0.92
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	8	0.92
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	10	0.92
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	6	0.92
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	5	0.92
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	5	0.92
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	16	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	1	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	1	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	1	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD11	9	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD12	9	0.92
(1,104)	1:30:A:ARG:HG2	1:39:A:LEU:HD13	9	0.92
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	16	0.92
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	16	0.92
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	16	0.92
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	1	0.92
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	19	0.91
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	20	0.91
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	6	0.91
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	10	0.91
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	12	0.91
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	18	0.91
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	3	0.91
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	5	0.91
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	7	0.91
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	14	0.91
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	17	0.91
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	4	0.91
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	10	0.91
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	2	0.91
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	2	0.91
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	2	0.91
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	20	0.91
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	20	0.91
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	20	0.91
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	3	0.91
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	4	0.91
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	4	0.91
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	20	0.91
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	20	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	4	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	4	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	4	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	4	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	4	0.91
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	4	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	2	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	16	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	16	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	16	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	16	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	16	0.91
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	20	0.91
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	20	0.91
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	14	0.91
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	14	0.91
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	2	0.91
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	17	0.91
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	18	0.91
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	8	0.91
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	13	0.91
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	14	0.91
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	15	0.91
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	5	0.91
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	5	0.91
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	18	0.91
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	2	0.91
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	16	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	5	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	5	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	5	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	5	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	6	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	6	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	6	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	6	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	14	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	14	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	14	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	14	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	16	0.91
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	16	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	16	0.91
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	16	0.91
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	1	0.91
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	4	0.91
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	10	0.91
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	13	0.91
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	16	0.91
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	16	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	4	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	5	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	6	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	12	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	14	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	16	0.91
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	19	0.91
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	16	0.91
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	8	0.91
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	8	0.91
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	8	0.91
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	11	0.91
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	11	0.91
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	11	0.91
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	17	0.91
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	17	0.91
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	17	0.91
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	16	0.91
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	1	0.91
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	1	0.91
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	1	0.91
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	17	0.91
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	17	0.91
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	17	0.91
(1,274)	1:31:A:ALA:HB1	1:32:A:ASN:H	19	0.91
(1,274)	1:31:A:ALA:HB2	1:32:A:ASN:H	19	0.91
(1,274)	1:31:A:ALA:HB3	1:32:A:ASN:H	19	0.91
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	15	0.91
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	7	0.91
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	9	0.91
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	10	0.91
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	15	0.91
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	15	0.91
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	15	0.91
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	13	0.91
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	13	0.91
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	13	0.91
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	9	0.91
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	9	0.91
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	9	0.91
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	16	0.91
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	2	0.91
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	3	0.91
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	10	0.9
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	16	0.9
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	16	0.9
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	18	0.9
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	18	0.9
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	18	0.9
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	13	0.9
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	13	0.9
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	13	0.9
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	13	0.9
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	13	0.9
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	13	0.9
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	7	0.9
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	11	0.9
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	13	0.9
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	7	0.9
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	7	0.9
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	7	0.9
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	8	0.9
(1,631)	1:28:A:LYS:HA	1:32:A:ASN:H	16	0.9
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	2	0.9
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	6	0.9
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	19	0.9
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	10	0.9
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	10	0.9
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	10	0.9
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	15	0.9
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	15	0.9
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	15	0.9
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	1	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	2	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	2	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	5	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	5	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	6	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	6	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	7	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	7	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	12	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	12	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	13	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	13	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	15	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	16	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	16	0.9
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	19	0.9
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	19	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	7	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	7	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	7	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	7	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	7	0.9
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	7	0.9
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	17	0.9
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	20	0.9
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	20	0.9
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	1	0.9
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	1	0.9
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	1	0.9
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	1	0.9
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	1	0.9
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	1	0.9
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	19	0.9
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	19	0.9
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	19	0.9
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	4	0.9
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	4	0.9
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	4	0.9
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	6	0.9
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	6	0.9
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	6	0.9
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	8	0.9
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	8	0.9
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	8	0.9
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	1	0.9
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	6	0.9
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	7	0.9
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	12	0.9
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	8	0.9
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	3	0.9
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	19	0.9
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	5	0.9
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	5	0.9
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	7	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	1	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	3	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	7	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	9	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	10	0.9
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	17	0.9
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	8	0.9
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	14	0.9
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	14	0.9
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	14	0.9
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	4	0.9
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	4	0.9
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	4	0.9
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	18	0.9
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	11	0.9
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	6	0.9
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	6	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	5	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	6	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	7	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	8	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	9	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	14	0.9
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	18	0.9
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	20	0.9
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	2	0.9
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	15	0.9
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	14	0.9
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	14	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	3	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	3	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	3	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	5	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	5	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	5	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	6	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	6	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	6	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	13	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	13	0.9
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	14	0.9
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	14	0.9
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	14	0.9
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	4	0.9
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	4	0.9
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	4	0.9
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	8	0.89
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	8	0.89
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	8	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	8	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	8	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	8	0.89
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	15	0.89
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	15	0.89
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	15	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	15	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	15	0.89
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	15	0.89
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	1	0.89
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	9	0.89
(1,669)	1:29:A:LEU:HA	1:29:A:LEU:HG	14	0.89
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	13	0.89
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	15	0.89
(1,628)	1:33:A:CYS:HB3	1:36:A:THR:HB	19	0.89
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	9	0.89
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	13	0.89
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	14	0.89
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	14	0.89
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	5	0.89
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	5	0.89
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	5	0.89
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	13	0.89
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	13	0.89
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	13	0.89
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	19	0.89
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	9	0.89
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	9	0.89
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	14	0.89
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	14	0.89
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	18	0.89
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	18	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	7	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	7	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	7	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	7	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	7	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	7	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	16	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	16	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	16	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	16	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	16	0.89
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	16	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	10	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	10	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	10	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	10	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	10	0.89
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	10	0.89
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	19	0.89
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	19	0.89
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	10	0.89
(1,527)	1:16:A:LYS:H	1:17:A:SER:H	1	0.89
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD1	17	0.89
(1,504)	1:14:A:SER:HB2	1:15:A:PHE:HD2	17	0.89
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	15	0.89
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	15	0.89
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	15	0.89
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	9	0.89
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	9	0.89
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	9	0.89
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	11	0.89
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	11	0.89
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	11	0.89
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	18	0.89
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	18	0.89
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	18	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	9	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	11	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	16	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	17	0.89
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	18	0.89
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	11	0.89
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	11	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:29:A:LEU:HB2	1:30:A:ARG:H	16	0.89
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	13	0.89
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	5	0.89
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	5	0.89
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	5	0.89
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	5	0.89
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	4	0.89
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	6	0.89
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	13	0.89
(1,352)	1:34:A:LYS:H	1:34:A:LYS:HG2	20	0.89
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	2	0.89
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	11	0.89
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	15	0.89
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	18	0.89
(1,322)	1:8:A:HIS:H	1:8:A:HIS:HB2	20	0.89
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	1	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	1	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	1	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	1	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	4	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	4	0.89
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	4	0.89
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	2	0.89
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	3	0.89
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	16	0.89
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	16	0.89
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	9	0.89
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	3	0.89
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	7	0.89
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	7	0.89
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	7	0.89
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	6	0.89
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	6	0.89
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	6	0.89
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	10	0.89
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	10	0.89
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	12	0.89
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	20	0.89
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	17	0.88
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	17	0.88
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	10	0.88
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	10	0.88
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	10	0.88
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	10	0.88
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	10	0.88
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	2	0.88
(1,637)	1:11:A:ILE:H	1:11:A:ILE:HG12	6	0.88
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	3	0.88
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	11	0.88
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	15	0.88
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	10	0.88
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	10	0.88
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	3	0.88
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	3	0.88
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	3	0.88
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	6	0.88
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	6	0.88
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	6	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	13	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	13	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	13	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	13	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	13	0.88
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	13	0.88
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	8	0.88
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	20	0.88
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	2	0.88
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	2	0.88
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	2	0.88
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	2	0.88
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	2	0.88
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	13	0.88
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	13	0.88
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	13	0.88
(1,476)	1:4:A:SER:HA	1:35:A:LYS:HD2	10	0.88
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	14	0.88
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	16	0.88
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	5	0.88
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	2	0.88
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	2	0.88
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	1	0.88
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	10	0.88
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	2	0.88
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	2	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	2	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	2	0.88
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	13	0.88
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	13	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	13	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	13	0.88
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	18	0.88
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	18	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	18	0.88
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	18	0.88
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	12	0.88
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	16	0.88
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	9	0.88
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	11	0.88
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	16	0.88
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	16	0.88
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	16	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	15	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	15	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	15	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	19	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	19	0.88
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	19	0.88
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	7	0.88
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	4	0.88
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	10	0.88
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	12	0.88
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	11	0.88
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	12	0.88
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	7	0.88
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	19	0.88
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD11	10	0.88
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD12	10	0.88
(1,172)	1:37:A:CYS:H	1:39:A:LEU:HD13	10	0.88
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	18	0.88
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	18	0.88
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	18	0.88
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	13	0.88
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	13	0.88
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	13	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	5	0.88
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	7	0.88
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	8	0.87
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	4	0.87
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	12	0.87
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	20	0.87
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	8	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	2	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	2	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	3	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	3	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	4	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	4	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	5	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	5	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	6	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	6	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	7	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	7	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	8	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	8	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	13	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	13	0.87
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	15	0.87
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	15	0.87
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	12	0.87
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	8	0.87
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	11	0.87
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	11	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	8	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	8	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	8	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	8	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	8	0.87
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	8	0.87
(1,534)	1:5:A:ASP:HA	1:33:A:CYS:HA	10	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	20	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	20	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	20	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	20	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	20	0.87
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	19	0.87
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	19	0.87
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	20	0.87
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	20	0.87
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	1	0.87
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	1	0.87
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	1	0.87
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	10	0.87
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	10	0.87
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	10	0.87
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	12	0.87
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	18	0.87
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	20	0.87
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	13	0.87
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	13	0.87
(1,416)	1:34:A:LYS:HA	1:36:A:THR:H	12	0.87
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	4	0.87
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	1	0.87
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	7	0.87
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	1	0.87
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	14	0.87
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	14	0.87
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	14	0.87
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	5	0.87
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	5	0.87
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	5	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	4	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	4	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	4	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	4	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	7	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	7	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	7	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	7	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	9	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	9	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	9	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	9	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	10	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	10	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	10	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	12	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	12	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	12	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	12	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	17	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	17	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	17	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	17	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	19	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	19	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	19	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	19	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	20	0.87
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	20	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	20	0.87
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	20	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	2	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	3	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	5	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	8	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	15	0.87
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	18	0.87
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	19	0.87
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	18	0.87
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	18	0.87
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	18	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	3	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	3	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	3	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	10	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	10	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	10	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	11	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	11	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	11	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	12	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	12	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	12	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	13	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	13	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	13	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	18	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	18	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	20	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	20	0.87
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	20	0.87
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	14	0.87
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	2	0.87
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	12	0.87
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	17	0.87
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	17	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	1	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	1	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	2	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	2	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	13	0.87
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	13	0.87
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	4	0.87
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	13	0.87
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	15	0.87
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	6	0.87
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	17	0.87
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	10	0.87
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	10	0.87
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	10	0.87
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	19	0.87
(1,92)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	19	0.87
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	10	0.87
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	18	0.87
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB2	1	0.86
(1,722)	1:12:A:CYS:HB2	1:16:A:LYS:HB3	1	0.86
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	2	0.86
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	20	0.86
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	8	0.86
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	16	0.86
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	18	0.86
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	1	0.86
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	10	0.86
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	10	0.86
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	10	0.86
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	14	0.86
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	14	0.86
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	16	0.86
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	17	0.86
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	17	0.86
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	4	0.86
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	4	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	8	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	8	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	8	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	8	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	8	0.86
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	8	0.86
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	12	0.86
(1,502)	1:15:A:PHE:HD1	1:18:A:PHE:HB2	14	0.86
(1,502)	1:15:A:PHE:HD2	1:18:A:PHE:HB2	14	0.86
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	5	0.86
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	5	0.86
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	5	0.86
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	5	0.86
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	5	0.86
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	5	0.86
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	5	0.86
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	5	0.86
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	5	0.86
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	7	0.86
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	7	0.86
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	7	0.86
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	17	0.86
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	17	0.86
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	17	0.86
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	3	0.86
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	3	0.86
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	3	0.86
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	5	0.86
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	5	0.86
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	5	0.86
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	1	0.86
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	9	0.86
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE2	18	0.86
(1,418)	1:34:A:LYS:HA	1:34:A:LYS:HE3	18	0.86
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	4	0.86
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	5	0.86
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG21	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG22	7	0.86
(1,376)	1:12:A:CYS:HB3	1:36:A:THR:HG23	7	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	1	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	1	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	1	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	1	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	8	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	8	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	8	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	8	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	11	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	11	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	11	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	11	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	15	0.86
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	15	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	15	0.86
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	15	0.86
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	2	0.86
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	2	0.86
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	2	0.86
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	2	0.86
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	14	0.86
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	7	0.86
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	9	0.86
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	18	0.86
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	10	0.86
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	10	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	2	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	2	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	2	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	5	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	5	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	5	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	6	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	6	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	6	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	8	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	8	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	8	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	9	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	9	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	14	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	14	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	14	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	16	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	16	0.86
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	16	0.86
(1,287)	1:15:A:PHE:H	1:16:A:LYS:HA	5	0.86
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	18	0.86
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	18	0.86
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	18	0.86
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	8	0.86
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	16	0.86
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	7	0.86
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	15	0.86
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	10	0.86
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	20	0.86
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	14	0.86
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	17	0.86
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	4	0.86
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	13	0.86
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	20	0.86
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	18	0.86
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	1	0.86
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	8	0.86
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD11	19	0.86
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD12	19	0.86
(1,106)	1:30:A:ARG:HD2	1:39:A:LEU:HD13	19	0.86
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	4	0.86
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	4	0.86
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	4	0.86
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	2	0.86
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	2	0.86
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	2	0.86
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	18	0.86
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	18	0.86
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	18	0.86
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	13	0.85
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	13	0.85
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	13	0.85
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	14	0.85
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	14	0.85
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	20	0.85
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	20	0.85
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	20	0.85
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	20	0.85
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	20	0.85
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	20	0.85
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	19	0.85
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	7	0.85
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	7	0.85
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	9	0.85
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	11	0.85
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	7	0.85
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	17	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	1	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	1	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	9	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	9	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	11	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	11	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	12	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	12	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	18	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	18	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	19	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	19	0.85
(1,617)	1:38:A:GLY:HA2	1:40:A:CYS:H	20	0.85
(1,617)	1:38:A:GLY:HA3	1:40:A:CYS:H	20	0.85
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	1	0.85
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	1	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	3	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	3	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	3	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	3	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	3	0.85
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	3	0.85
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	6	0.85
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	6	0.85
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	6	0.85
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	1	0.85
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	1	0.85
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	7	0.85
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	7	0.85
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	7	0.85
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	15	0.85
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	15	0.85
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	15	0.85
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	19	0.85
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	19	0.85
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	19	0.85
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	16	0.85
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	2	0.85
(1,399)	1:11:A:ILE:H	1:14:A:SER:H	17	0.85
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	6	0.85
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	16	0.85
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	16	0.85
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	16	0.85
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE2	3	0.85
(1,362)	1:34:A:LYS:HD2	1:34:A:LYS:HE3	3	0.85
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE2	3	0.85
(1,362)	1:34:A:LYS:HD3	1:34:A:LYS:HE3	3	0.85
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	1	0.85
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	3	0.85
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	17	0.85
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	2	0.85
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	2	0.85
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	13	0.85
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	13	0.85
(1,318)	1:7:A:ALA:H	1:33:A:CYS:HA	20	0.85
(1,316)	1:37:A:CYS:HB3	1:38:A:GLY:H	20	0.85
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	3	0.85
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	3	0.85
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	4	0.85
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	4	0.85
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG21	7	0.85
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG22	7	0.85
(1,299)	1:11:A:ILE:HA	1:11:A:ILE:HG23	7	0.85
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	2	0.85
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	2	0.85
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	2	0.85
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	4	0.85
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	4	0.85
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	10	0.85
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	10	0.85
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	10	0.85
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	16	0.85
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	16	0.85
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	16	0.85
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	1	0.85
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	18	0.85
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	19	0.85
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	19	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	2	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	2	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	8	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	8	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	12	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	12	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	19	0.85
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	19	0.85
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	9	0.85
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	3	0.85
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	3	0.85
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	13	0.85
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	16	0.85
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB2	19	0.84
(1,719)	1:7:A:ALA:HB1	1:32:A:ASN:HB3	19	0.84
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB2	19	0.84
(1,719)	1:7:A:ALA:HB2	1:32:A:ASN:HB3	19	0.84
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB2	19	0.84
(1,719)	1:7:A:ALA:HB3	1:32:A:ASN:HB3	19	0.84
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	2	0.84
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	10	0.84
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	3	0.84
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	6	0.84
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	11	0.84
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	8	0.84
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	10	0.84
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	15	0.84
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	16	0.84
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	6	0.84
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	12	0.84
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	1	0.84
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	9	0.84
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	19	0.84
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	19	0.84
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	19	0.84
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	20	0.84
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	4	0.84
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	3	0.84
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	3	0.84
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	3	0.84
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	3	0.84
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	3	0.84
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	17	0.84
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	17	0.84
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	17	0.84
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	20	0.84
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	20	0.84
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	20	0.84
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	8	0.84
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	11	0.84
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	12	0.84
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	13	0.84
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	13	0.84
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	18	0.84
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	18	0.84
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	18	0.84
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	17	0.84
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	19	0.84
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	2	0.84
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	7	0.84
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	10	0.84
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	8	0.84
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	13	0.84
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	8	0.84
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	8	0.84
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	8	0.84
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	11	0.84
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	11	0.84
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	11	0.84
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	15	0.84
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	15	0.84
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	15	0.84
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	1	0.84
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	2	0.84
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	10	0.84
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	14	0.84
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	16	0.84
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	18	0.84
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	18	0.84
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	15	0.84
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	16	0.84
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	18	0.84
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	19	0.84
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	19	0.84
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	19	0.84
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	11	0.84
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	11	0.84
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	3	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	4	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	11	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	12	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	14	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	15	0.84
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	19	0.84
(1,137)	1:12:A:CYS:HB3	1:36:A:THR:H	20	0.84
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	10	0.84
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	1	0.84
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	1	0.84
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	1	0.84
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	16	0.84
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	16	0.84
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	16	0.84
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	12	0.84
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	12	0.84
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	12	0.84
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	12	0.84
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	4	0.83
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	13	0.83
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	19	0.83
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	1	0.83
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	1	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	1	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	5	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	9	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	11	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	13	0.83
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	17	0.83
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	17	0.83
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	19	0.83
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	17	0.83
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	17	0.83
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	17	0.83
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	11	0.83
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	16	0.83
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	17	0.83
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	19	0.83
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	14	0.83
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	18	0.83
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	6	0.83
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	13	0.83
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	4	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	9	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	11	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	14	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	14	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	14	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	14	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	14	0.83
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	14	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	11	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	11	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	11	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	11	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	11	0.83
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	6	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	15	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	15	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	15	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	15	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	15	0.83
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	15	0.83
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	6	0.83
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	6	0.83
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	14	0.83
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	14	0.83
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	2	0.83
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	2	0.83
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	2	0.83
(1,492)	1:7:A:ALA:HB1	1:8:A:HIS:H	20	0.83
(1,492)	1:7:A:ALA:HB2	1:8:A:HIS:H	20	0.83
(1,492)	1:7:A:ALA:HB3	1:8:A:HIS:H	20	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	3	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	3	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	3	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	6	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	6	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	6	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	13	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	13	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	13	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	15	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	15	0.83
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	15	0.83
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	1	0.83
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	9	0.83
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	14	0.83
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	18	0.83
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	8	0.83
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	4	0.83
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	4	0.83
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	8	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	8	0.83
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	8	0.83
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	1	0.83
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	7	0.83
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	11	0.83
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	14	0.83
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	5	0.83
(1,320)	1:37:A:CYS:HB2	1:38:A:GLY:H	20	0.83
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	19	0.83
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	19	0.83
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	19	0.83
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	9	0.83
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	13	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	2	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	5	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	6	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	7	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	8	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	12	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	18	0.83
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	19	0.83
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	14	0.83
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	9	0.83
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	9	0.83
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	9	0.83
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	12	0.83
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	12	0.83
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	12	0.83
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	20	0.83
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	20	0.83
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	20	0.83
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	3	0.83
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	3	0.83
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	8	0.83
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	11	0.83
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	4	0.83
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	4	0.83
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	10	0.83
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	10	0.83
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	5	0.83
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	8	0.83
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	15	0.83
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	15	0.83
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	9	0.83
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	10	0.83
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	16	0.83
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	2	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	3	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	5	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	6	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	7	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	15	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	17	0.82
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	15	0.82
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	3	0.82
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	6	0.82
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	14	0.82
(1,687)	1:34:A:LYS:H	1:35:A:LYS:H	15	0.82
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	5	0.82
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	3	0.82
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	3	0.82
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	3	0.82
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	17	0.82
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	4	0.82
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	10	0.82
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	19	0.82
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	6	0.82
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	6	0.82
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	19	0.82
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	5	0.82
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	8	0.82
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	5	0.82
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	14	0.82
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	9	0.82
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	1	0.82
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	1	0.82
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	1	0.82
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	18	0.82
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	7	0.82
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	7	0.82
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	7	0.82
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	7	0.82
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	7	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	2	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	2	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	2	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	2	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	2	0.82
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	2	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	6	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	6	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	6	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	6	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	6	0.82
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	6	0.82
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	13	0.82
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	15	0.82
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	16	0.82
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	18	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	10	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	13	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	19	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	19	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	19	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	19	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	19	0.82
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	19	0.82
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	9	0.82
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	14	0.82
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	16	0.82
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD1	7	0.82
(1,499)	1:11:A:ILE:HG21	1:15:A:PHE:HD2	7	0.82
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD1	7	0.82
(1,499)	1:11:A:ILE:HG22	1:15:A:PHE:HD2	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD1	7	0.82
(1,499)	1:11:A:ILE:HG23	1:15:A:PHE:HD2	7	0.82
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	11	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	10	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	10	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	10	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	19	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	19	0.82
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	19	0.82
(1,440)	1:25:A:ASN:H	1:28:A:LYS:H	20	0.82
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	8	0.82
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	8	0.82
(1,373)	1:5:A:ASP:H	1:35:A:LYS:HD3	19	0.82
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	15	0.82
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	9	0.82
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	9	0.82
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	9	0.82
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	12	0.82
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	12	0.82
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	12	0.82
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	4	0.82
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	7	0.82
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	11	0.82
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	17	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	3	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	3	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	3	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	5	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	5	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	5	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	6	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	6	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	6	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	7	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	7	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	7	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	13	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	13	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	13	0.82
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	14	0.82
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	14	0.82
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:36:A:THR:HA	1:38:A:GLY:H	20	0.82
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	14	0.82
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	14	0.82
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	17	0.82
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	3	0.82
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	3	0.82
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	17	0.82
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	17	0.82
(1,178)	1:35:A:LYS:H	1:37:A:CYS:H	10	0.82
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	1	0.82
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	1	0.82
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	12	0.82
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	12	0.82
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	4	0.82
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	11	0.82
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	1	0.82
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	5	0.82
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	6	0.82
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	7	0.82
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	17	0.82
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	20	0.82
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	18	0.82
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	17	0.82
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	17	0.82
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	17	0.82
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	14	0.82
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	14	0.82
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	14	0.82
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	19	0.82
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	19	0.82
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	19	0.82
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	8	0.82
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	8	0.82
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	8	0.82
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	8	0.82
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	14	0.82
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	14	0.82
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	19	0.82
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	1	0.81
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	10	0.81
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	12	0.81
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	9	0.81
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	9	0.81
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	12	0.81
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	12	0.81
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	12	0.81
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	2	0.81
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	6	0.81
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	13	0.81
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	1	0.81
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	5	0.81
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	7	0.81
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	20	0.81
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	20	0.81
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	19	0.81
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	6	0.81
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	8	0.81
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	20	0.81
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	6	0.81
(1,571)	1:19:A:CYS:HB3	1:37:A:CYS:HA	17	0.81
(1,571)	1:19:A:CYS:HB2	1:37:A:CYS:HA	17	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	1	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	3	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	5	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	20	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	20	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	20	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	20	0.81
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	20	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	9	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD11	14	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD12	14	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD13	14	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD21	14	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD22	14	0.81
(1,562)	1:15:A:PHE:HB2	1:29:A:LEU:HD23	14	0.81
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	3	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	4	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	9	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	11	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	11	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	11	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	11	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	11	0.81
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	11	0.81
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	8	0.81
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	19	0.81
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	9	0.81
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	9	0.81
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	8	0.81
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	8	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	2	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	2	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	2	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	5	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	5	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	5	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	7	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	7	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	7	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	8	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	8	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	8	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	9	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	9	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	9	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	14	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	14	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	14	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	16	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	16	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	16	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	17	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	17	0.81
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	17	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	1	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	1	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	1	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	20	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	20	0.81
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	20	0.81
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	9	0.81
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	2	0.81
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	2	0.81
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	2	0.81
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	11	0.81
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	11	0.81
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	2	0.81
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	1	0.81
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	1	0.81
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	1	0.81
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	17	0.81
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	17	0.81
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	17	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	5	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	5	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	6	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	6	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	19	0.81
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	19	0.81
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	9	0.81
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	9	0.81
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	9	0.81
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	16	0.81
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	16	0.81
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	4	0.81
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	15	0.81
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	15	0.81
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	10	0.81
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	11	0.81
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	11	0.81
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	8	0.81
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	20	0.81
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	9	0.81
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	11	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	9	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	9	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	9	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	11	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	11	0.81
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	11	0.81
(1,96)	1:1:A:ALA:HB1	1:2:A:ALA:H	6	0.81
(1,96)	1:1:A:ALA:HB2	1:2:A:ALA:H	6	0.81
(1,96)	1:1:A:ALA:HB3	1:2:A:ALA:H	6	0.81
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	13	0.81
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	13	0.81
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	8	0.8
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	9	0.8
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	11	0.8
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	18	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	11	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	11	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	11	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	15	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	15	0.8
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	15	0.8
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB2	17	0.8
(1,694)	1:13:A:GLU:HA	1:16:A:LYS:HB3	17	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	11	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	11	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	11	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ1	15	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ2	15	0.8
(1,657)	1:34:A:LYS:HG3	1:34:A:LYS:HZ3	15	0.8
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	19	0.8
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	19	0.8
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	19	0.8
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	15	0.8
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	11	0.8
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	4	0.8
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	7	0.8
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	10	0.8
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	20	0.8
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	12	0.8
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	19	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	15	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	15	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	15	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	15	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	15	0.8
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	15	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	5	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	5	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	5	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	5	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	5	0.8
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	5	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	3	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	3	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	3	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	3	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	3	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	19	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	19	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	19	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	19	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	19	0.8
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	19	0.8
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	6	0.8
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	9	0.8
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	11	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	14	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	14	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	14	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	14	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	14	0.8
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	14	0.8
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD1	9	0.8
(1,497)	1:11:A:ILE:HA	1:15:A:PHE:HD2	9	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	1	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	1	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	1	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	4	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	4	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	4	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	11	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	11	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	11	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	12	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	12	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	12	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	18	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	18	0.8
(1,483)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	18	0.8
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	19	0.8
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	19	0.8
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	19	0.8
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	4	0.8
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	6	0.8
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	9	0.8
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	10	0.8
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	20	0.8
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	11	0.8
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	11	0.8
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	14	0.8
(1,277)	1:31:A:ALA:HB1	1:33:A:CYS:H	19	0.8
(1,277)	1:31:A:ALA:HB2	1:33:A:CYS:H	19	0.8
(1,277)	1:31:A:ALA:HB3	1:33:A:CYS:H	19	0.8
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	13	0.8
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	13	0.8
(1,211)	1:12:A:CYS:H	1:14:A:SER:H	1	0.8
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	20	0.8
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	9	0.8
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	9	0.8
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	3	0.8
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	2	0.8
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	14	0.8
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	15	0.8
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	15	0.8
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	15	0.8
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	16	0.79
(1,750)	1:30:A:ARG:HB2	1:30:A:ARG:HD2	20	0.79
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	8	0.79
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	20	0.79
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	12	0.79
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	12	0.79
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	12	0.79
(1,696)	1:16:A:LYS:HB2	1:17:A:SER:H	1	0.79
(1,696)	1:16:A:LYS:HB3	1:17:A:SER:H	1	0.79
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	18	0.79
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	11	0.79
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	11	0.79
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	11	0.79
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	20	0.79
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	20	0.79
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	20	0.79
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	5	0.79
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	9	0.79
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	13	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	1	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	2	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	9	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	13	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	14	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	15	0.79
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	17	0.79
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	8	0.79
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	4	0.79
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	4	0.79
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	4	0.79
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	5	0.79
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	5	0.79
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	5	0.79
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	5	0.79
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	10	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	2	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	6	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	13	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	18	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	19	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	19	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	19	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	19	0.79
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	19	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	4	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	4	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	4	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	4	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	4	0.79
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	4	0.79
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	14	0.79
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	19	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	8	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	8	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	8	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	8	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	8	0.79
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	8	0.79
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	6	0.79
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	6	0.79
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	6	0.79
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	9	0.79
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	9	0.79
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	9	0.79
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	1	0.79
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	12	0.79
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	17	0.79
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	3	0.79
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	6	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	1	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	1	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	2	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	2	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	3	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	3	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	4	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	4	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	5	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	5	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	6	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	6	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	7	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	7	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	8	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	9	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	9	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	10	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	10	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	11	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	11	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	12	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	12	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	13	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	13	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	14	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	14	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	15	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	15	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	16	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	16	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	17	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	17	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	18	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	18	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	19	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	19	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB2	20	0.79
(1,333)	1:6:A:ARG:HA	1:6:A:ARG:HB3	20	0.79
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	13	0.79
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	15	0.79
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	15	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	1	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	1	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	3	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	3	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	7	0.79
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	7	0.79
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	18	0.79
(1,259)	1:6:A:ARG:H	1:33:A:CYS:HA	20	0.79
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	4	0.79
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	4	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	1	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	6	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	8	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	9	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	11	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	13	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	15	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	17	0.79
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	19	0.79
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	11	0.79
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	16	0.79
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	16	0.79
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	18	0.79
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	18	0.79
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	10	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	1	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	2	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	5	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	8	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	9	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	10	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	11	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	12	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	14	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	15	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	16	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	17	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	18	0.79
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	20	0.79
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	10	0.79
(1,139)	1:12:A:CYS:HB3	1:36:A:THR:HB	2	0.79
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	15	0.79
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	20	0.79
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	20	0.79
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	20	0.79
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	20	0.78
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	20	0.78
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	5	0.78
(1,696)	1:16:A:LYS:HB2	1:17:A:SER:H	17	0.78
(1,696)	1:16:A:LYS:HB3	1:17:A:SER:H	17	0.78
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	12	0.78
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	15	0.78
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	15	0.78
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	15	0.78
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	1	0.78
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	1	0.78
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	2	0.78
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	3	0.78
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	3	0.78
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	13	0.78
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	4	0.78
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	15	0.78
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	19	0.78
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	17	0.78
(1,609)	1:11:A:ILE:HG21	1:12:A:CYS:HA	17	0.78
(1,609)	1:11:A:ILE:HG22	1:12:A:CYS:HA	17	0.78
(1,609)	1:11:A:ILE:HG23	1:12:A:CYS:HA	17	0.78
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	6	0.78
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	10	0.78
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	7	0.78
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	13	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	4	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	8	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	10	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	16	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	16	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	16	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	16	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	16	0.78
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	16	0.78
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	9	0.78
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	9	0.78
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	9	0.78
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	9	0.78
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	9	0.78
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	12	0.78
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	17	0.78
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	13	0.78
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	13	0.78
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	20	0.78
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	3	0.78
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	3	0.78
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	5	0.78
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	5	0.78
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	5	0.78
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	11	0.78
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	12	0.78
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	2	0.78
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	8	0.78
(1,342)	1:12:A:CYS:HB2	1:13:A:GLU:H	20	0.78
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	6	0.78
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	12	0.78
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	1	0.78
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	9	0.78
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	11	0.78
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	15	0.78
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	15	0.78
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	10	0.78
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	10	0.78
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	14	0.78
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	14	0.78
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	11	0.78
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	6	0.78
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	20	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	2	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	3	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	4	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	5	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	7	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	12	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	14	0.78
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	18	0.78
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	14	0.78
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	14	0.78
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	11	0.78
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	15	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	3	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	4	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	6	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	7	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	13	0.78
(1,147)	1:30:A:ARG:HB3	1:30:A:ARG:HD3	19	0.78
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	20	0.78
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	16	0.78
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	3	0.78
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	3	0.78
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	3	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	4	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	6	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	8	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	15	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	17	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	19	0.77
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	18	0.77
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	3	0.77
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	9	0.77
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	12	0.77
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	18	0.77
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	18	0.77
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	18	0.77
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	7	0.77
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	7	0.77
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	14	0.77
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	15	0.77
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	17	0.77
(1,619)	1:25:A:ASN:HB2	1:26:A:GLY:H	20	0.77
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	2	0.77
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	3	0.77
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	13	0.77
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	9	0.77
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	15	0.77
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	18	0.77
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	16	0.77
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	12	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD11	17	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD12	17	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD13	17	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD21	17	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD22	17	0.77
(1,568)	1:29:A:LEU:HA	1:29:A:LEU:HD23	17	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	13	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	14	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	14	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	14	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	14	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	14	0.77
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	14	0.77
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	10	0.77
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	10	0.77
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	10	0.77
(1,353)	1:33:A:CYS:H	1:34:A:LYS:HG2	20	0.77
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	9	0.77
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	9	0.77
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	9	0.77
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	14	0.77
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	14	0.77
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	14	0.77
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	20	0.77
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	20	0.77
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	4	0.77
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	4	0.77
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	9	0.77
(1,195)	1:30:A:ARG:H	1:30:A:ARG:HD2	16	0.77
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	18	0.77
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	8	0.77
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	16	0.77
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	18	0.77
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	20	0.77
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	12	0.77
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	10	0.77
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	10	0.77
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	10	0.77
(1,91)	1:19:A:CYS:HA	1:29:A:LEU:HB3	8	0.77
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	2	0.76
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	13	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	1	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	5	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	6	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	7	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	9	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	14	0.76
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	16	0.76
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	7	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	4	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	8	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	16	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	18	0.76
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	20	0.76
(1,665)	1:11:A:ILE:HB	1:12:A:CYS:H	4	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	2	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	2	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	2	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	3	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	3	0.76
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	3	0.76
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	5	0.76
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	11	0.76
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	16	0.76
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	12	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	10	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	10	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	10	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	10	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	10	0.76
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	10	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	5	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	5	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	5	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	5	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	5	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	12	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	12	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	12	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	12	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	12	0.76
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	12	0.76
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	10	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	11	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	11	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	11	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	12	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	12	0.76
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	12	0.76
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	19	0.76
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	19	0.76
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	19	0.76
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	3	0.76
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	3	0.76
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	15	0.76
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	15	0.76
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	4	0.76
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	6	0.76
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	9	0.76
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	3	0.76
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	3	0.76
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	3	0.76
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	8	0.76
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	12	0.76
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	1	0.76
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	3	0.76
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	8	0.76
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	12	0.76
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	18	0.76
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	11	0.76
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	11	0.76
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	14	0.76
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	1	0.76
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	10	0.76
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	12	0.76
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	17	0.76
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	13	0.76
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	4	0.76
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	18	0.76
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	6	0.76
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG21	20	0.76
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG22	20	0.76
(1,98)	1:8:A:HIS:H	1:11:A:ILE:HG23	20	0.76
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	15	0.76
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	15	0.76
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	1	0.75
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	10	0.75
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	13	0.75
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	9	0.75
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	9	0.75
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	9	0.75
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	19	0.75
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	13	0.75
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	13	0.75
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	13	0.75
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	14	0.75
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	20	0.75
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	6	0.75
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	20	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	11	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	11	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	11	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	11	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	11	0.75
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	11	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	15	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD11	20	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD12	20	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD13	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD21	20	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD22	20	0.75
(1,552)	1:18:A:PHE:HB3	1:29:A:LEU:HD23	20	0.75
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	5	0.75
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	7	0.75
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	7	0.75
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	13	0.75
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	15	0.75
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	13	0.75
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	6	0.75
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	6	0.75
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	20	0.75
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	20	0.75
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	20	0.75
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	17	0.75
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	20	0.75
(1,414)	1:22:A:SER:H	1:22:A:SER:HB2	13	0.75
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	7	0.75
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	7	0.75
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	7	0.75
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	13	0.75
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	7	0.75
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	7	0.75
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	7	0.75
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	20	0.75
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	20	0.75
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	20	0.75
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	11	0.75
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	11	0.75
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	3	0.75
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	5	0.75
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	7	0.75
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	5	0.75
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	5	0.75
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	5	0.75
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	5	0.75
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	16	0.75
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	13	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	2	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	4	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	5	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	7	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	10	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	15	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	16	0.75
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	20	0.75
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	9	0.75
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	9	0.75
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	12	0.75
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	14	0.75
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	16	0.75
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	18	0.75
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	6	0.75
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	19	0.75
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	19	0.75
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	6	0.75
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	20	0.75
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	20	0.75
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	12	0.75
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	7	0.75
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	15	0.75
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	1	0.75
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	9	0.74
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	4	0.74
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	10	0.74
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	12	0.74
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	17	0.74
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	19	0.74
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	10	0.74
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	10	0.74
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	10	0.74
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	9	0.74
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	11	0.74
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	13	0.74
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	12	0.74
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	12	0.74
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	12	0.74
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	12	0.74
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	1	0.74
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	9	0.74
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	3	0.74
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	15	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	12	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	12	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	12	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	12	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	12	0.74
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	12	0.74
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	1	0.74
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	2	0.74
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	2	0.74
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	2	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	16	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	18	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	18	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	18	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	18	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	18	0.74
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	18	0.74
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	7	0.74
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	20	0.74
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	14	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	4	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	4	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	4	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	9	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	9	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	9	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	11	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	11	0.74
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	11	0.74
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	6	0.74
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	2	0.74
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	2	0.74
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	3	0.74
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	3	0.74
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	3	0.74
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	8	0.74
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	8	0.74
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	8	0.74
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	4	0.74
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	15	0.74
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	2	0.74
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	2	0.74
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	2	0.74
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	7	0.74
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	7	0.74
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	7	0.74
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	19	0.74
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	19	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	2	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	2	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	13	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	13	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	18	0.74
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	18	0.74
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	2	0.74
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	19	0.74
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	10	0.74
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	19	0.74
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	10	0.74
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	10	0.74
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	7	0.74
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	7	0.74
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	7	0.74
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	7	0.74
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	14	0.74
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	14	0.74
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	14	0.74
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	19	0.74
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	6	0.74
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	13	0.74
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	17	0.74
(1,278)	1:6:A:ARG:H	1:6:A:ARG:HG3	19	0.74
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	16	0.74
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	16	0.74
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	8	0.74
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	8	0.74
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	8	0.74
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	10	0.74
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	15	0.74
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	20	0.74
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	14	0.74
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	14	0.74
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	5	0.74
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	3	0.74
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	10	0.74
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	11	0.74
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	17	0.74
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	19	0.74
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	11	0.73
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	14	0.73
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	2	0.73
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	11	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	2	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	4	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	5	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	6	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	7	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	13	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	15	0.73
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	17	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	1	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	2	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	5	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	6	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	7	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	14	0.73
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	17	0.73
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	3	0.73
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	4	0.73
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	6	0.73
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	6	0.73
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	6	0.73
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	18	0.73
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	18	0.73
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	9	0.73
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	11	0.73
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	12	0.73
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	2	0.73
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	2	0.73
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	2	0.73
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	10	0.73
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	17	0.73
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	13	0.73
(1,549)	1:19:A:CYS:H	1:20:A:LYS:H	2	0.73
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	20	0.73
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	11	0.73
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	6	0.73
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	2	0.73
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	2	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	1	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	1	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	1	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	8	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	8	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	8	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	10	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	10	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	10	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	14	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	14	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	14	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	15	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	15	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	15	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	18	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	18	0.73
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	18	0.73
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	3	0.73
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	8	0.73
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	20	0.73
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	1	0.73
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	10	0.73
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	14	0.73
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	5	0.73
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	10	0.73
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	10	0.73
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	17	0.73
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	17	0.73
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	17	0.73
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	5	0.73
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	5	0.73
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	5	0.73
(1,349)	1:13:A:GLU:H	1:13:A:GLU:HB2	8	0.73
(1,348)	1:13:A:GLU:HB2	1:14:A:SER:H	20	0.73
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	2	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	11	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	11	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	12	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	12	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	18	0.73
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	18	0.73
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	3	0.73
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	4	0.73
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	7	0.73
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	10	0.73
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	17	0.73
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	2	0.73
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	4	0.73
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	8	0.73
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	10	0.73
(1,149)	1:23:A:GLY:H	1:26:A:GLY:H	9	0.73
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	1	0.73
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	5	0.73
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	9	0.73
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	13	0.73
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	9	0.73
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	9	0.73
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	9	0.73
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	9	0.73
(1,33)	1:24:A:ARG:HG3	1:25:A:ASN:HD21	19	0.73
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	16	0.72
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	10	0.72
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	14	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	3	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	8	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	11	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	14	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	16	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	18	0.72
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	19	0.72
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	3	0.72
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	6	0.72
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	10	0.72
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	10	0.72
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	10	0.72
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	10	0.72
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	17	0.72
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	6	0.72
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	1	0.72
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	9	0.72
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	14	0.72
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	16	0.72
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	18	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	1	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	2	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	2	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	2	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	2	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	2	0.72
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	2	0.72
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	2	0.72
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	4	0.72
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	16	0.72
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	18	0.72
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	10	0.72
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	17	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	2	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	2	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	2	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	3	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	3	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	5	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	5	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	5	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	6	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	6	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	6	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	7	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	7	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	7	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	12	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	12	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	12	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	16	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	16	0.72
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	16	0.72
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	9	0.72
(1,474)	1:4:A:SER:HA	1:35:A:LYS:H	10	0.72
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	2	0.72
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	12	0.72
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	16	0.72
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	4	0.72
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	16	0.72
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	6	0.72
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	7	0.72
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	4	0.72
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	4	0.72
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	4	0.72
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	4	0.72
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	4	0.72
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	15	0.72
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	15	0.72
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	18	0.72
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	18	0.72
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	15	0.72
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	9	0.72
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	11	0.72
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	14	0.72
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	5	0.72
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	5	0.72
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	2	0.72
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	5	0.72
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	13	0.72
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	15	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	3	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	5	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	6	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	7	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	10	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	12	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	13	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	15	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	16	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	17	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	18	0.72
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	19	0.72
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	19	0.72
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	17	0.72
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	4	0.72
(1,176)	1:37:A:CYS:H	1:38:A:GLY:H	20	0.72
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	4	0.72
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	4	0.72
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	10	0.72
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	10	0.72
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	17	0.72
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	17	0.72
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	19	0.72
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	18	0.72
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	9	0.72
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	16	0.72
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	16	0.72
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	16	0.72
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	5	0.71
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	7	0.71
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	18	0.71
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	16	0.71
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	18	0.71
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	1	0.71
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	12	0.71
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	10	0.71
(1,686)	1:33:A:CYS:HA	1:34:A:LYS:H	15	0.71
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	19	0.71
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	9	0.71
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	9	0.71
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	14	0.71
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	16	0.71
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	18	0.71
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	1	0.71
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	15	0.71
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	12	0.71
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	11	0.71
(1,582)	1:10:A:HIS:HA	1:13:A:GLU:H	12	0.71
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	19	0.71
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	3	0.71
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	6	0.71
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	12	0.71
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	5	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	13	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	13	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	13	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	17	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	17	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	17	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB1	19	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB2	19	0.71
(1,496)	1:7:A:ALA:H	1:7:A:ALA:HB3	19	0.71
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	11	0.71
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	12	0.71
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	14	0.71
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	5	0.71
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	6	0.71
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	15	0.71
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	5	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	2	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	3	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	4	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	5	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	6	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	7	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	13	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	15	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	16	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	17	0.71
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	18	0.71
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	18	0.71
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	16	0.71
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	16	0.71
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	5	0.71
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	4	0.71
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	4	0.71
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	4	0.71
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	14	0.71
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	14	0.71
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	14	0.71
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	9	0.71
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	11	0.71
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	17	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	3	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	3	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	3	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	4	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	4	0.71
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	4	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	6	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	6	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	6	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	18	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	18	0.71
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	18	0.71
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	16	0.71
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	16	0.71
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	18	0.71
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	20	0.71
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	8	0.71
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	20	0.71
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	1	0.71
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	8	0.71
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	9	0.71
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	11	0.71
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	14	0.71
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	20	0.71
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	1	0.71
(1,188)	1:18:A:PHE:HB3	1:21:A:ASP:H	16	0.71
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	7	0.71
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	2	0.71
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	3	0.7
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	13	0.7
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	10	0.7
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	7	0.7
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	7	0.7
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	15	0.7
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	15	0.7
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	11	0.7
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	12	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	1	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	1	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	1	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	4	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	4	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	4	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	15	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	15	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	15	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	17	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	17	0.7
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	17	0.7
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	4	0.7
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	13	0.7
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	18	0.7
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	20	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	18	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	18	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	18	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	18	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	18	0.7
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	18	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD11	17	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD12	17	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD13	17	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD21	17	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD22	17	0.7
(1,528)	1:16:A:LYS:H	1:29:A:LEU:HD23	17	0.7
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	19	0.7
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	16	0.7
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	8	0.7
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	8	0.7
(1,494)	1:7:A:ALA:HB1	1:12:A:CYS:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:7:A:ALA:HB2	1:12:A:CYS:H	4	0.7
(1,494)	1:7:A:ALA:HB3	1:12:A:CYS:H	4	0.7
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	7	0.7
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	9	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	1	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	8	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	9	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	11	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	12	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	14	0.7
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	19	0.7
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	4	0.7
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	19	0.7
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	9	0.7
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	9	0.7
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	9	0.7
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	12	0.7
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	12	0.7
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	12	0.7
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	13	0.7
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	13	0.7
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	13	0.7
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	20	0.7
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	20	0.7
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	20	0.7
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	4	0.7
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	18	0.7
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	3	0.7
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	3	0.7
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	3	0.7
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	6	0.7
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	6	0.7
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	6	0.7
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	5	0.7
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	5	0.7
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	5	0.7
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	12	0.7
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	12	0.7
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	12	0.7
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	12	0.7
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	6	0.7
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	3	0.7
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	4	0.7
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	1	0.7
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	1	0.7
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	2	0.7
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	17	0.7
(1,218)	1:30:A:ARG:HA	1:30:A:ARG:HE	20	0.7
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	1	0.7
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	1	0.7
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	9	0.7
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	9	0.7
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	2	0.7
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	5	0.7
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	16	0.7
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	16	0.7
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	16	0.7
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	19	0.7
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	6	0.7
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	6	0.7
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	13	0.7
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	13	0.7
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	8	0.7
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	3	0.7
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	6	0.7
(1,746)	1:19:A:CYS:H	1:19:A:CYS:HB2	12	0.69
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	19	0.69
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	6	0.69
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	10	0.69
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	1	0.69
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	1	0.69
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	2	0.69
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	2	0.69
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	3	0.69
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	3	0.69
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	9	0.69
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	9	0.69
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	10	0.69
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	10	0.69
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	2	0.69
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	9	0.69
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	2	0.69
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	2	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	3	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	3	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	3	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	20	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	20	0.69
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	20	0.69
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	8	0.69
(1,626)	1:12:A:CYS:HB3	1:33:A:CYS:HB3	17	0.69
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	1	0.69
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	5	0.69
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	10	0.69
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	5	0.69
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	7	0.69
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	8	0.69
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	12	0.69
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	19	0.69
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	8	0.69
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	16	0.69
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	17	0.69
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	17	0.69
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	17	0.69
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	8	0.69
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	14	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	6	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	6	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	6	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	6	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	6	0.69
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	6	0.69
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	8	0.69
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	2	0.69
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	10	0.69
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	16	0.69
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	7	0.69
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	10	0.69
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	11	0.69
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	12	0.69
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	14	0.69
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	13	0.69
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	3	0.69
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	6	0.69
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	7	0.69
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	11	0.69
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	11	0.69
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	11	0.69
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	3	0.69
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	19	0.69
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	20	0.69
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	1	0.69
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	3	0.69
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	9	0.69
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	12	0.69
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	6	0.69
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	6	0.69
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	6	0.69
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	17	0.69
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	17	0.69
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	17	0.69
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	15	0.69
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	15	0.69
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	15	0.69
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	19	0.69
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	19	0.69
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	19	0.69
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	9	0.69
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	9	0.69
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	9	0.69
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	9	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	1	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	2	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	3	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	5	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	6	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	7	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	8	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	9	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	10	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	11	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	12	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	13	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	14	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	16	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	17	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	18	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	19	0.69
(1,325)	1:30:A:ARG:HG2	1:30:A:ARG:HE	20	0.69
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	20	0.69
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	20	0.69
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	20	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	3	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	5	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	7	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	13	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	15	0.69
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	19	0.69
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	12	0.69
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	16	0.69
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE2	7	0.69
(1,213)	1:16:A:LYS:HG3	1:16:A:LYS:HE3	7	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	14	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	14	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	14	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	18	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	18	0.69
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	18	0.69
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	7	0.69
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	15	0.69
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	15	0.69
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	17	0.69
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	6	0.69
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	14	0.69
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	16	0.69
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	7	0.69
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	10	0.69
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	1	0.69
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	11	0.68
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	16	0.68
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	18	0.68
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	20	0.68
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	20	0.68
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	20	0.68
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	14	0.68
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	14	0.68
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	19	0.68
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	8	0.68
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	8	0.68
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	8	0.68
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	17	0.68
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	16	0.68
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	16	0.68
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	16	0.68
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	17	0.68
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	1	0.68
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	2	0.68
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	9	0.68
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	14	0.68
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	18	0.68
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	19	0.68
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	19	0.68
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	19	0.68
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	11	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	8	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	8	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	8	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	8	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	8	0.68
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	8	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	1	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	11	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	13	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	13	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	13	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	13	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	13	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	14	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	14	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	14	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	14	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	14	0.68
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	14	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	18	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	18	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	18	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	18	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	18	0.68
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	18	0.68
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	15	0.68
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	3	0.68
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	17	0.68
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	17	0.68
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	1	0.68
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	18	0.68
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	16	0.68
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	18	0.68
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	10	0.68
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	1	0.68
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	9	0.68
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	13	0.68
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	14	0.68
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	17	0.68
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	17	0.68
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	16	0.68
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	16	0.68
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	16	0.68
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	2	0.68
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	5	0.68
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	13	0.68
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	17	0.68
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	8	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	2	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	2	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	2	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	8	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	8	0.68
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	18	0.68
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	18	0.68
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	18	0.68
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	18	0.68
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	5	0.68
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	5	0.68
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	6	0.68
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	18	0.68
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE1	7	0.68
(1,263)	1:15:A:PHE:HA	1:15:A:PHE:HE2	7	0.68
(1,258)	1:5:A:ASP:H	1:6:A:ARG:H	19	0.68
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	1	0.68
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	20	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	3	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	5	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	6	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	9	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	13	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	14	0.68
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	15	0.68
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	3	0.68
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	3	0.68
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	5	0.68
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	5	0.68
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	20	0.68
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	20	0.68
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	8	0.68
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	8	0.68
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	15	0.68
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	5	0.68
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	12	0.68
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	1	0.68
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	14	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	8	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	8	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	8	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	12	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	12	0.68
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	12	0.68
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	14	0.68
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	14	0.68
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	14	0.68
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	17	0.68
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	12	0.67
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	8	0.67
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	8	0.67
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	8	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	5	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	5	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	6	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	6	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	11	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	11	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	17	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	17	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	19	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	19	0.67
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	20	0.67
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	20	0.67
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	16	0.67
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	8	0.67
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	13	0.67
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	19	0.67
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	20	0.67
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	5	0.67
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	5	0.67
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	5	0.67
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	7	0.67
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	7	0.67
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	7	0.67
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	8	0.67
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	8	0.67
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	8	0.67
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	5	0.67
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	5	0.67
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	5	0.67
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	4	0.67
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	7	0.67
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	6	0.67
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	6	0.67
(1,597)	1:21:A:ASP:HA	1:23:A:GLY:H	6	0.67
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	1	0.67
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	12	0.67
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	9	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	16	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	20	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	20	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	20	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	20	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	20	0.67
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	20	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	12	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	12	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	12	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	12	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	12	0.67
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	12	0.67
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	2	0.67
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	4	0.67
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	6	0.67
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	20	0.67
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	11	0.67
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	15	0.67
(1,461)	1:27:A:VAL:HA	1:30:A:ARG:H	20	0.67
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	8	0.67
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	13	0.67
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	15	0.67
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	20	0.67
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	1	0.67
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	2	0.67
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	11	0.67
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	14	0.67
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	20	0.67
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	10	0.67
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	10	0.67
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	10	0.67
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	5	0.67
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	5	0.67
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	7	0.67
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	7	0.67
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	17	0.67
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	17	0.67
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	10	0.67
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	6	0.67
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	13	0.67
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	13	0.67
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	13	0.67
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	1	0.67
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	1	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	1	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	2	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	4	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	8	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	11	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	12	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	16	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	17	0.67
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	18	0.67
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	20	0.67
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	20	0.67
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	3	0.67
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	12	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	3	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	5	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	8	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	9	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	11	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	19	0.67
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	20	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	2	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	2	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	2	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	2	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	5	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	5	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	5	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	7	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	7	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	7	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	7	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	12	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	12	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	12	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	12	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	13	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	13	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	13	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	13	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	15	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	15	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	15	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	15	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	17	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	17	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	17	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	17	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	19	0.67
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	19	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	19	0.67
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	19	0.67
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	1	0.67
(1,31)	1:24:A:ARG:HG2	1:25:A:ASN:HD21	10	0.67
(1,710)	1:20:A:LYS:HB2	1:21:A:ASP:H	15	0.66
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	5	0.66
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	5	0.66
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	1	0.66
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	14	0.66
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	15	0.66
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	16	0.66
(1,654)	1:35:A:LYS:H	1:36:A:THR:HB	18	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	2	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	2	0.66
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	2	0.66
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	10	0.66
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD2	19	0.66
(1,574)	1:28:A:LYS:H	1:28:A:LYS:HD3	19	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	3	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	5	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	6	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	12	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	15	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	17	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	19	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	19	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	19	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	19	0.66
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	19	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	16	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	16	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	16	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	16	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	16	0.66
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	16	0.66
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	14	0.66
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	14	0.66
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	14	0.66
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	9	0.66
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	13	0.66
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	5	0.66
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	2	0.66
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	5	0.66
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	6	0.66
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	3	0.66
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	5	0.66
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	8	0.66
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	13	0.66
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	15	0.66
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	7	0.66
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	8	0.66
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	12	0.66
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	15	0.66
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	15	0.66
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	15	0.66
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	18	0.66
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	18	0.66
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	18	0.66
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	7	0.66
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	4	0.66
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	18	0.66
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	2	0.66
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	19	0.66
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	19	0.66
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	19	0.66
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	13	0.66
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	13	0.66
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	13	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	8	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	8	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	14	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	14	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	14	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	16	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	16	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	16	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	18	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	18	0.66
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	18	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	1	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	1	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	1	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	12	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	12	0.66
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	12	0.66
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	2	0.66
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	2	0.66
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	6	0.66
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	6	0.66
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	13	0.66
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	1	0.66
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	1	0.66
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	3	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	3	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	5	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	7	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	9	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	11	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	13	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	19	0.66
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	20	0.66
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	12	0.66
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	7	0.66
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	17	0.66
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	8	0.66
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	8	0.66
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	8	0.66
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	18	0.66
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	4	0.66
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	13	0.66
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	19	0.66
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	19	0.66
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	7	0.66
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	7	0.66
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	9	0.66
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	9	0.66
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	11	0.66
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	11	0.66
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	1	0.66
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	19	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	1	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	1	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	1	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	9	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	9	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	9	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	11	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	11	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	11	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	12	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	12	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	12	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	18	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	18	0.66
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	18	0.66
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	4	0.66
(1,131)	1:8:A:HIS:HB2	1:9:A:GLY:H	13	0.66
(1,130)	1:9:A:GLY:H	1:10:A:HIS:H	8	0.66
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	6	0.66
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	7	0.66
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	12	0.66
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	13	0.66
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	16	0.66
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	1	0.66
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	18	0.66
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	18	0.66
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	18	0.66
(1,703)	1:11:A:ILE:H	1:13:A:GLU:H	4	0.65
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	4	0.65
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	4	0.65
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	13	0.65
(1,690)	1:3:A:CYS:HA	1:4:A:SER:H	20	0.65
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	8	0.65
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	8	0.65
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	13	0.65
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	13	0.65
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	18	0.65
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	18	0.65
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	6	0.65
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	6	0.65
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	8	0.65
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	8	0.65
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	13	0.65
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	13	0.65
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	17	0.65
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	17	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	13	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	13	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	13	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	14	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	14	0.65
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	14	0.65
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	10	0.65
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	8	0.65
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	5	0.65
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	8	0.65
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	12	0.65
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	18	0.65
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	7	0.65
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	15	0.65
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	17	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	2	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	2	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	2	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	2	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	2	0.65
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	2	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	7	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	7	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	7	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	7	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	7	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	8	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	10	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	18	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	18	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	18	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	18	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	18	0.65
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	18	0.65
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	14	0.65
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	4	0.65
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	13	0.65
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	17	0.65
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	19	0.65
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	12	0.65
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	7	0.65
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	7	0.65
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	7	0.65
(1,472)	1:4:A:SER:HA	1:35:A:LYS:HD3	4	0.65
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	16	0.65
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	5	0.65
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	9	0.65
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	6	0.65
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	12	0.65
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	15	0.65
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	8	0.65
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	12	0.65
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	12	0.65
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	12	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	1	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	1	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	2	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	2	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	2	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	9	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	9	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	9	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	15	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	15	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	15	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	20	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	20	0.65
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	20	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	4	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	4	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	4	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	11	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	11	0.65
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	11	0.65
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	3	0.65
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	3	0.65
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	11	0.65
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	11	0.65
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	15	0.65
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	20	0.65
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	9	0.65
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	9	0.65
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	9	0.65
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	10	0.65
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	10	0.65
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	10	0.65
(1,280)	1:10:A:HIS:H	1:10:A:HIS:HB2	5	0.65
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	4	0.65
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	5	0.65
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	7	0.65
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	19	0.65
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	3	0.65
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	3	0.65
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	2	0.65
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	14	0.65
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	15	0.65
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	1	0.65
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	11	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	11	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	11	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	15	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	15	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	15	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	20	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	20	0.65
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	20	0.65
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	11	0.65
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	15	0.65
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	7	0.65
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	2	0.65
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	2	0.65
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	9	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	8	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	8	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	8	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	14	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	14	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	14	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	16	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	16	0.65
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	16	0.65
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	2	0.65
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	15	0.65
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	17	0.65
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	18	0.65
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	19	0.65
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	19	0.65
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	19	0.65
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	19	0.65
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	1	0.65
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	1	0.65
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	9	0.64
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	1	0.64
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	1	0.64
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	17	0.64
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	17	0.64
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	4	0.64
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	4	0.64
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	16	0.64
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	19	0.64
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	19	0.64
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	8	0.64
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	8	0.64
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	8	0.64
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	16	0.64
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	2	0.64
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	6	0.64
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	7	0.64
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	19	0.64
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	2	0.64
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	3	0.64
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	5	0.64
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	6	0.64
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	13	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	4	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	10	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	10	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	10	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	10	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	10	0.64
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	10	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	2	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD11	4	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD12	4	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD13	4	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD21	4	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD22	4	0.64
(1,559)	1:26:A:GLY:HA3	1:29:A:LEU:HD23	4	0.64
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	1	0.64
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	15	0.64
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	20	0.64
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	1	0.64
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	3	0.64
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	18	0.64
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	14	0.64
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	18	0.64
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	15	0.64
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	3	0.64
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	5	0.64
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	8	0.64
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	19	0.64
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	16	0.64
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	1	0.64
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	1	0.64
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	1	0.64
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	2	0.64
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	2	0.64
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	2	0.64
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	11	0.64
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	11	0.64
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	11	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	10	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	10	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	10	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	11	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	11	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	11	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	12	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	12	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	12	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	13	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	13	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	13	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	17	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	17	0.64
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	17	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	3	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	3	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	3	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	16	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	16	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	17	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	17	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	17	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	20	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	20	0.64
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	20	0.64
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	13	0.64
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	13	0.64
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	13	0.64
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	13	0.64
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	14	0.64
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	14	0.64
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	14	0.64
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	14	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	4	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	4	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	10	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	10	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	12	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	12	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	13	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	13	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	15	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	15	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	16	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	16	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	18	0.64
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	18	0.64
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	4	0.64
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	10	0.64
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	16	0.64
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	3	0.64
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	6	0.64
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	17	0.64
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	14	0.64
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	14	0.64
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	4	0.64
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	8	0.64
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	10	0.64
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	12	0.64
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	19	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	1	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	1	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	1	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	9	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	9	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	9	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	12	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	12	0.64
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	12	0.64
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	15	0.64
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	5	0.64
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	6	0.64
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	7	0.64
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	9	0.64
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	3	0.64
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	5	0.64
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	7	0.64
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	4	0.64
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	5	0.64
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	1	0.64
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	1	0.64
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	7	0.64
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	7	0.64
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	14	0.64
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	4	0.64
(1,125)	1:30:A:ARG:H	1:31:A:ALA:H	10	0.64
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	17	0.64
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	17	0.64
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	17	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	6	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	6	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	6	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	6	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	11	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	11	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	11	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	11	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	18	0.64
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	18	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	18	0.64
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	2	0.63
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	4	0.63
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	7	0.63
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	18	0.63
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	2	0.63
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	4	0.63
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	7	0.63
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	18	0.63
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	15	0.63
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	16	0.63
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	16	0.63
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	4	0.63
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	12	0.63
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	12	0.63
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	20	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	11	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	11	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	11	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	12	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	12	0.63
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	12	0.63
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	9	0.63
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	18	0.63
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	4	0.63
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	20	0.63
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	1	0.63
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	17	0.63
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	4	0.63
(1,594)	1:30:A:ARG:HA	1:30:A:ARG:HD2	19	0.63
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	1	0.63
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	2	0.63
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	17	0.63
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	7	0.63
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	7	0.63
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	17	0.63
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	17	0.63
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	17	0.63
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	17	0.63
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	17	0.63
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	15	0.63
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	15	0.63
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	3	0.63
(1,491)	1:17:A:SER:H	1:19:A:CYS:H	19	0.63
(1,490)	1:17:A:SER:H	1:18:A:PHE:H	17	0.63
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	2	0.63
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	2	0.63
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	2	0.63
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	2	0.63
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	1	0.63
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	16	0.63
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	18	0.63
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	2	0.63
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	8	0.63
(1,398)	1:7:A:ALA:HB1	1:11:A:ILE:H	10	0.63
(1,398)	1:7:A:ALA:HB2	1:11:A:ILE:H	10	0.63
(1,398)	1:7:A:ALA:HB3	1:11:A:ILE:H	10	0.63
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	14	0.63
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	2	0.63
(1,396)	1:10:A:HIS:H	1:11:A:ILE:H	7	0.63
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	9	0.63
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	9	0.63
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	9	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	3	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	3	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	3	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	4	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	4	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	4	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	5	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	5	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	5	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	6	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	6	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	6	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	7	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	7	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	7	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG21	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:36:A:THR:H	1:36:A:THR:HG22	19	0.63
(1,379)	1:36:A:THR:H	1:36:A:THR:HG23	19	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	9	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	9	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	9	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	13	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	13	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	13	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	14	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	14	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	14	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG21	15	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG22	15	0.63
(1,370)	1:27:A:VAL:HA	1:27:A:VAL:HG23	15	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	5	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	5	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	14	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	14	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	16	0.63
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	16	0.63
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	18	0.63
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	18	0.63
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	19	0.63
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	19	0.63
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	8	0.63
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	20	0.63
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	20	0.63
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	7	0.63
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	9	0.63
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	9	0.63
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	17	0.63
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	17	0.63
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	12	0.63
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	18	0.63
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	1	0.63
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	9	0.63
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	11	0.63
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	13	0.63
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	14	0.63
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	4	0.63
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	4	0.63
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	1	0.63
(1,240)	1:32:A:ASN:HA	1:32:A:ASN:HD21	18	0.63
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	18	0.63
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	6	0.63
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	15	0.63
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	14	0.63
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	17	0.63
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	3	0.63
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	6	0.63
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	18	0.63
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	18	0.63
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	2	0.63
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	6	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	2	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	2	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	2	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	3	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	3	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	3	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	4	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	4	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	4	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	6	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	6	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	6	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	13	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	13	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	13	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	15	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	15	0.63
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	15	0.63
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	10	0.63
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	1	0.63
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	1	0.63
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	1	0.63
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	17	0.63
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	17	0.63
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	20	0.63
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	20	0.63
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	20	0.63
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	20	0.63
(1,12)	1:8:A:HIS:HB2	1:11:A:ILE:HG13	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	3	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	5	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	8	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	10	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	13	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	15	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	16	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	17	0.62
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	19	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	3	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	5	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	8	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	10	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	13	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	15	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	16	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	17	0.62
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	19	0.62
(1,682)	1:32:A:ASN:HB2	1:34:A:LYS:H	12	0.62
(1,682)	1:32:A:ASN:HB3	1:34:A:LYS:H	12	0.62
(1,675)	1:6:A:ARG:HB2	1:6:A:ARG:HE	12	0.62
(1,675)	1:6:A:ARG:HB3	1:6:A:ARG:HE	12	0.62
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	1	0.62
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	1	0.62
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	1	0.62
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	13	0.62
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	13	0.62
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	13	0.62
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	16	0.62
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	16	0.62
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	16	0.62
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	20	0.62
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	20	0.62
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	20	0.62
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	19	0.62
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	20	0.62
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	10	0.62
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	2	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	5	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	5	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	5	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	5	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	5	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	16	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	16	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	16	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	16	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	16	0.62
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	16	0.62
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	4	0.62
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	6	0.62
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	13	0.62
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	15	0.62
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	15	0.62
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	15	0.62
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	15	0.62
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	15	0.62
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	15	0.62
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	6	0.62
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	11	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	5	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	5	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	6	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	6	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	8	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	8	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	12	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	13	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	13	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	16	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	16	0.62
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	17	0.62
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	17	0.62
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	15	0.62
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	9	0.62
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	9	0.62
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	14	0.62
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	19	0.62
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	1	0.62
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	10	0.62
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	5	0.62
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	5	0.62
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	5	0.62
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	13	0.62
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	13	0.62
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	13	0.62
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	10	0.62
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	10	0.62
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	10	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	1	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	1	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	9	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	9	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	12	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	12	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	16	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	16	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	18	0.62
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	18	0.62
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE2	6	0.62
(1,361)	1:34:A:LYS:HB2	1:34:A:LYS:HE3	6	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	4	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	4	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	8	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	8	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	9	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	9	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	11	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	12	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	12	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	16	0.62
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	16	0.62
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	1	0.62
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	1	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	1	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	1	0.62
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	11	0.62
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	11	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	11	0.62
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	11	0.62
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	20	0.62
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	20	0.62
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	19	0.62
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	5	0.62
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	8	0.62
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	15	0.62
(1,266)	1:29:A:LEU:H	1:30:A:ARG:H	20	0.62
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	2	0.62
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	2	0.62
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	6	0.62
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	6	0.62
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	15	0.62
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	15	0.62
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	2	0.62
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	2	0.62
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	4	0.62
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	8	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	1	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	3	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	6	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	13	0.62
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	17	0.62
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	16	0.62
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	2	0.62
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	10	0.62
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	15	0.62
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	15	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	5	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	5	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	7	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	7	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	7	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	17	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	17	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	17	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	20	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	20	0.62
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	20	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	1	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	1	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	1	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	1	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	3	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	3	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	3	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	3	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	4	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	4	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	4	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	4	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	9	0.62
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	9	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	9	0.62
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	9	0.62
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	14	0.62
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	16	0.62
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	20	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	1	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	6	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	9	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	11	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	12	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	14	0.61
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	20	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	1	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	6	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	9	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	11	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	12	0.61
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	14	0.61
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	12	0.61
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	14	0.61
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	14	0.61
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	4	0.61
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	4	0.61
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	4	0.61
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	11	0.61
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	11	0.61
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	11	0.61
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	18	0.61
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	18	0.61
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	18	0.61
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	11	0.61
(1,612)	1:14:A:SER:H	1:14:A:SER:HB2	12	0.61
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	10	0.61
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	3	0.61
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	15	0.61
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	16	0.61
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	16	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	1	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	2	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	3	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	5	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	5	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	5	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	5	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	5	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	7	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	10	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	12	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	19	0.61
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	20	0.61
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	20	0.61
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	20	0.61
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	20	0.61
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	20	0.61
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	20	0.61
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	9	0.61
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	11	0.61
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	17	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	1	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	1	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	2	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	2	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	3	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	3	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	4	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	7	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	7	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	9	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	9	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	10	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	10	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	11	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	11	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	14	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	14	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	15	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	15	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	18	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	18	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	19	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	19	0.61
(1,508)	1:6:A:ARG:HB2	1:6:A:ARG:HD3	20	0.61
(1,508)	1:6:A:ARG:HB3	1:6:A:ARG:HD3	20	0.61
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	5	0.61
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	5	0.61
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	5	0.61
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	10	0.61
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	10	0.61
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	11	0.61
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	12	0.61
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	5	0.61
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	12	0.61
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	11	0.61
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	12	0.61
(1,388)	1:5:A:ASP:H	1:36:A:THR:H	10	0.61
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	8	0.61
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	8	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	1	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	1	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	2	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	2	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	3	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	3	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	7	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	7	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	10	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	14	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	14	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	15	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	15	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	19	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	19	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	20	0.61
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	20	0.61
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	3	0.61
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	9	0.61
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	13	0.61
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	11	0.61
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	11	0.61
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	11	0.61
(1,302)	1:11:A:ILE:HG21	1:15:A:PHE:HB2	7	0.61
(1,302)	1:11:A:ILE:HG22	1:15:A:PHE:HB2	7	0.61
(1,302)	1:11:A:ILE:HG23	1:15:A:PHE:HB2	7	0.61
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	1	0.61
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	17	0.61
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	17	0.61
(1,267)	1:29:A:LEU:H	1:29:A:LEU:HG	2	0.61
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	6	0.61
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	12	0.61
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	16	0.61
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	2	0.61
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	2	0.61
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	2	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	4	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	5	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	7	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	9	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	11	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	14	0.61
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	20	0.61
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	1	0.61
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	11	0.61
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	12	0.61
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	13	0.61
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	17	0.61
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	14	0.61
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	14	0.61
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	13	0.61
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	15	0.61
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	19	0.61
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	14	0.61
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	9	0.61
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	9	0.61
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	9	0.61
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	4	0.61
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	20	0.61
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	20	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	8	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	8	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	8	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	8	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	10	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	10	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	10	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	10	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE2	16	0.61
(1,93)	1:28:A:LYS:HD2	1:28:A:LYS:HE3	16	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE2	16	0.61
(1,93)	1:28:A:LYS:HD3	1:28:A:LYS:HE3	16	0.61
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	9	0.61
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	10	0.61
(1,872)	1:29:A:LEU:O	1:33:A:CYS:N	20	0.6
(1,791)	1:29:A:LEU:O	1:33:A:CYS:N	20	0.6
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	12	0.6
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	1	0.6
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	16	0.6
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	18	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	10	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	11	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	13	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	15	0.6
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	16	0.6
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	9	0.6
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	1	0.6
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	12	0.6
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	19	0.6
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	14	0.6
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	14	0.6
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	18	0.6
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	14	0.6
(1,611)	1:14:A:SER:HB2	1:15:A:PHE:H	20	0.6
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	9	0.6
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	11	0.6
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	14	0.6
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	8	0.6
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	12	0.6
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	4	0.6
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	7	0.6
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	16	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	13	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	19	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	20	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	20	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	20	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	20	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	20	0.6
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	20	0.6
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	9	0.6
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	11	0.6
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	18	0.6
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	18	0.6
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	18	0.6
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	18	0.6
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	18	0.6
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	12	0.6
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	12	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	1	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	3	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	4	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	5	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	6	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	7	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	13	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	14	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	15	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	17	0.6
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	18	0.6
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	14	0.6
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	1	0.6
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	3	0.6
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	3	0.6
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	3	0.6
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	16	0.6
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	19	0.6
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	19	0.6
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	1	0.6
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	8	0.6
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	20	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	2	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	4	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	8	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	13	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	16	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	18	0.6
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	19	0.6
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	12	0.6
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	16	0.6
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG21	7	0.6
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG22	7	0.6
(1,382)	1:12:A:CYS:HB2	1:36:A:THR:HG23	7	0.6
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	8	0.6
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	8	0.6
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	14	0.6
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	14	0.6
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	14	0.6
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	15	0.6
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	15	0.6
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	15	0.6
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	18	0.6
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	18	0.6
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	18	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	5	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	5	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	6	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	6	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	13	0.6
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	13	0.6
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	4	0.6
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	12	0.6
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	12	0.6
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	12	0.6
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	16	0.6
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	16	0.6
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	20	0.6
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	4	0.6
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	4	0.6
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	4	0.6
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	9	0.6
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	10	0.6
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	10	0.6
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	2	0.6
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	18	0.6
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	20	0.6
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	3	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	4	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	4	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	4	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	10	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	10	0.6
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	10	0.6
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	2	0.6
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	10	0.6
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	16	0.6
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	18	0.6
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	5	0.6
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	1	0.6
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	9	0.6
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	15	0.6
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	4	0.6
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	4	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	10	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	10	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	10	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD11	19	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD12	19	0.6
(1,134)	1:39:A:LEU:HB3	1:39:A:LEU:HD13	19	0.6
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	1	0.6
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	9	0.6
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	11	0.6
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	20	0.6
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	7	0.6
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	6	0.6
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	11	0.6
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	7	0.59
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	7	0.59
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	1	0.59
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	10	0.59
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	9	0.59
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	10	0.59
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	17	0.59
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	18	0.59
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	10	0.59
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	10	0.59
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	10	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	6	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	6	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	6	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	7	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	7	0.59
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	7	0.59
(1,643)	1:35:A:LYS:HB3	1:36:A:THR:H	20	0.59
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	12	0.59
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	3	0.59
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	4	0.59
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	10	0.59
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	13	0.59
(1,599)	1:21:A:ASP:HA	1:22:A:SER:H	15	0.59
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	10	0.59
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	18	0.59
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	2	0.59
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	5	0.59
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	7	0.59
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	12	0.59
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	18	0.59
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	20	0.59
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	4	0.59
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	8	0.59
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	14	0.59
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	15	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	2	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	8	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	10	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	12	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	16	0.59
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	18	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	17	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	17	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	17	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	17	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	17	0.59
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	17	0.59
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	8	0.59
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	14	0.59
(1,553)	1:29:A:LEU:HD11	1:30:A:ARG:H	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:29:A:LEU:HD12	1:30:A:ARG:H	16	0.59
(1,553)	1:29:A:LEU:HD13	1:30:A:ARG:H	16	0.59
(1,553)	1:29:A:LEU:HD21	1:30:A:ARG:H	16	0.59
(1,553)	1:29:A:LEU:HD22	1:30:A:ARG:H	16	0.59
(1,553)	1:29:A:LEU:HD23	1:30:A:ARG:H	16	0.59
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	11	0.59
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	11	0.59
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	2	0.59
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	8	0.59
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	12	0.59
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	16	0.59
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	8	0.59
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	10	0.59
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	17	0.59
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	10	0.59
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	10	0.59
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	10	0.59
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	3	0.59
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	7	0.59
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	10	0.59
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	15	0.59
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	5	0.59
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	5	0.59
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	5	0.59
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	2	0.59
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	8	0.59
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	19	0.59
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	7	0.59
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	13	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	1	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	3	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	5	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	6	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	7	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	9	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	10	0.59
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	14	0.59
(1,397)	1:11:A:ILE:H	1:12:A:CYS:H	18	0.59
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB2	17	0.59
(1,356)	1:32:A:ASN:HA	1:32:A:ASN:HB3	17	0.59
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	6	0.59
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	20	0.59
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	12	0.59
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	12	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	3	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	4	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	9	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	10	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	11	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	13	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	15	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	17	0.59
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	20	0.59
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	20	0.59
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	4	0.59
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	5	0.59
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	15	0.59
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	17	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	3	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	3	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	3	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	17	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	17	0.59
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	17	0.59
(1,206)	1:34:A:LYS:HB2	1:35:A:LYS:H	12	0.59
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	1	0.59
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	14	0.59
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	20	0.59
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	20	0.59
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	20	0.59
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	3	0.59
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	3	0.59
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	19	0.59
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	19	0.59
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	19	0.59
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	16	0.59
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	4	0.59
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	20	0.59
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	20	0.59
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	5	0.58
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	10	0.58
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	5	0.58
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	18	0.58
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	20	0.58
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	9	0.58
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	3	0.58
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	5	0.58
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	5	0.58
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	2	0.58
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	8	0.58
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	16	0.58
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	17	0.58
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	17	0.58
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	17	0.58
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	4	0.58
(1,600)	1:19:A:CYS:HB2	1:20:A:LYS:H	17	0.58
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	1	0.58
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	1	0.58
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	2	0.58
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	18	0.58
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	5	0.58
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	11	0.58
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	13	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	1	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	3	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	4	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	5	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	6	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	7	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	9	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	11	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	13	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	14	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	15	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	17	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	19	0.58
(1,575)	1:28:A:LYS:H	1:29:A:LEU:H	20	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	15	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	15	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	15	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	15	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	15	0.58
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	15	0.58
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	9	0.58
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	9	0.58
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	9	0.58
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	9	0.58
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	9	0.58
(1,541)	1:2:A:ALA:HB1	1:3:A:CYS:H	8	0.58
(1,541)	1:2:A:ALA:HB2	1:3:A:CYS:H	8	0.58
(1,541)	1:2:A:ALA:HB3	1:3:A:CYS:H	8	0.58
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	10	0.58
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	19	0.58
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	1	0.58
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	9	0.58
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	14	0.58
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	8	0.58
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	15	0.58
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	20	0.58
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	19	0.58
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	19	0.58
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	19	0.58
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	19	0.58
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	19	0.58
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	5	0.58
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	13	0.58
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	3	0.58
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	5	0.58
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	7	0.58
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	11	0.58
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	15	0.58
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	17	0.58
(1,421)	1:34:A:LYS:HA	1:34:A:LYS:HB3	20	0.58
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	18	0.58
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	9	0.58
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	1	0.58
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	4	0.58
(1,381)	1:36:A:THR:HG21	1:38:A:GLY:H	16	0.58
(1,381)	1:36:A:THR:HG22	1:38:A:GLY:H	16	0.58
(1,381)	1:36:A:THR:HG23	1:38:A:GLY:H	16	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	8	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	8	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	8	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	14	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	14	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	16	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	16	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	16	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	18	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	18	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	18	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	20	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	20	0.58
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	20	0.58
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	11	0.58
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	19	0.58
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	16	0.58
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	16	0.58
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	12	0.58
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	19	0.58
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	12	0.58
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	12	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	1	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	5	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	6	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	7	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	14	0.58
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	16	0.58
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	10	0.58
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	3	0.58
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	7	0.58
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	8	0.58
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	10	0.58
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	13	0.58
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	6	0.58
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	6	0.58
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	6	0.58
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	8	0.58
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	18	0.58
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	20	0.58
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	19	0.58
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	19	0.58
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	13	0.58
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	6	0.58
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	17	0.58
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	11	0.58
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	11	0.58
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	18	0.58
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	20	0.58
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	10	0.58
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	10	0.58
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	10	0.58
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	8	0.57
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	12	0.57
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	16	0.57
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	18	0.57
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	19	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	2	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	3	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	4	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	8	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	9	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	11	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	13	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	14	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	15	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	16	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	18	0.57
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	19	0.57
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	19	0.57
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	8	0.57
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	12	0.57
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	16	0.57
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	18	0.57
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	19	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	2	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	3	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	4	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	8	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	9	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	11	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	13	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	14	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	15	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	16	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	18	0.57
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	19	0.57
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	11	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	1	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	1	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	1	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	2	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	2	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	2	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	3	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	3	0.57
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	3	0.57
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	6	0.57
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	8	0.57
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	8	0.57
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	3	0.57
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	3	0.57
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	3	0.57
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	9	0.57
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	9	0.57
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	9	0.57
(1,650)	1:27:A:VAL:HG11	1:28:A:LYS:H	15	0.57
(1,650)	1:27:A:VAL:HG12	1:28:A:LYS:H	15	0.57
(1,650)	1:27:A:VAL:HG13	1:28:A:LYS:H	15	0.57
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG11	19	0.57
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG12	19	0.57
(1,649)	1:27:A:VAL:HA	1:27:A:VAL:HG13	19	0.57
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	17	0.57
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	16	0.57
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	3	0.57
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	5	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	3	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	7	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	7	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	7	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	7	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	7	0.57
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	11	0.57
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	6	0.57
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	13	0.57
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	20	0.57
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	4	0.57
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	4	0.57
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	4	0.57
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	6	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	4	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	4	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	4	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	7	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	7	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	7	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	12	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	12	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	12	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	17	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	17	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	17	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	19	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	19	0.57
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	19	0.57
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	7	0.57
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	16	0.57
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	11	0.57
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	12	0.57
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	14	0.57
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	2	0.57
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	10	0.57
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	17	0.57
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	6	0.57
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	6	0.57
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	6	0.57
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	14	0.57
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	14	0.57
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	14	0.57
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	17	0.57
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	17	0.57
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	18	0.57
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	16	0.57
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	17	0.57
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	17	0.57
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	20	0.57
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	20	0.57
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	2	0.57
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	8	0.57
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	12	0.57
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	18	0.57
(1,247)	1:27:A:VAL:HB	1:28:A:LYS:H	19	0.57
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	7	0.57
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	8	0.57
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	13	0.57
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	11	0.57
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	14	0.57
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	16	0.57
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	19	0.57
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	18	0.57
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	11	0.57
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	11	0.57
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	13	0.57
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	1	0.57
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	1	0.57
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	7	0.57
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	7	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	8	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	8	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	10	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	10	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	16	0.57
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	16	0.57
(1,158)	1:1:A:ALA:HA	1:2:A:ALA:H	13	0.57
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	20	0.57
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	1	0.57
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	8	0.57
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	3	0.57
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	5	0.57
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	13	0.57
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	3	0.57
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	5	0.57
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	13	0.57
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	15	0.57
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	12	0.57
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	12	0.57
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	14	0.57
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	14	0.57
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	14	0.57
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	2	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	2	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	5	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	7	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	8	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	13	0.57
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	18	0.57
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	1	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	2	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	9	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	11	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	14	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	17	0.56
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	12	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	1	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	2	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	9	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	11	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	14	0.56
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	17	0.56
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	12	0.56
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	16	0.56
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	15	0.56
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	20	0.56
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	20	0.56
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	1	0.56
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	17	0.56
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	3	0.56
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	3	0.56
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	4	0.56
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	11	0.56
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	1	0.56
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	6	0.56
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	8	0.56
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	19	0.56
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	9	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	1	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	1	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	1	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	1	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	1	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	11	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	13	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	14	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	20	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	20	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	20	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	20	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	20	0.56
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	20	0.56
(1,533)	1:5:A:ASP:HA	1:6:A:ARG:H	20	0.56
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	20	0.56
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	4	0.56
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	10	0.56
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	15	0.56
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	10	0.56
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	4	0.56
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	17	0.56
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE2	19	0.56
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE3	19	0.56
(1,438)	1:24:A:ARG:HG2	1:25:A:ASN:H	12	0.56
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	4	0.56
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	6	0.56
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	8	0.56
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	13	0.56
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	14	0.56
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	14	0.56
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	9	0.56
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	14	0.56
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	20	0.56
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	9	0.56
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	9	0.56
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	9	0.56
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	17	0.56
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	17	0.56
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	5	0.56
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	10	0.56
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	12	0.56
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	12	0.56
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	8	0.56
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	8	0.56
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	14	0.56
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	1	0.56
(1,222)	1:25:A:ASN:HA	1:29:A:LEU:H	9	0.56
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	5	0.56
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	5	0.56
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	5	0.56
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	19	0.56
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	13	0.56
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	13	0.56
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	14	0.56
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	14	0.56
(1,191)	1:30:A:ARG:H	1:30:A:ARG:HE	16	0.56
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	1	0.56
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	2	0.56
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	9	0.56
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	11	0.56
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	9	0.56
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	9	0.56
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	2	0.56
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	2	0.56
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	12	0.56
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	12	0.56
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	17	0.56
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	3	0.56
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	15	0.56
(1,150)	1:21:A:ASP:HB2	1:26:A:GLY:H	6	0.56
(1,150)	1:21:A:ASP:HB3	1:26:A:GLY:H	6	0.56
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	1	0.56
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	7	0.56
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	6	0.56
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	7	0.56
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	16	0.56
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	17	0.56
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	19	0.56
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	3	0.56
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	4	0.56
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	16	0.56
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	8	0.56
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	14	0.56
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	11	0.56
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	7	0.56
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	7	0.56
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	7	0.56
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	7	0.56
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	16	0.56
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	16	0.56
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	16	0.56
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	16	0.56
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	3	0.56
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	12	0.56
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	19	0.56
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	3	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	4	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	5	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	6	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	7	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	10	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	13	0.55
(1,878)	1:35:A:LYS:O	1:38:A:GLY:N	15	0.55
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	17	0.55
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	19	0.55
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	20	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	3	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	5	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	6	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	7	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	10	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	13	0.55
(1,797)	1:35:A:LYS:O	1:38:A:GLY:N	15	0.55
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	17	0.55
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	19	0.55
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	20	0.55
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	17	0.55
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	2	0.55
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	11	0.55
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	11	0.55
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	9	0.55
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	13	0.55
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	14	0.55
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	15	0.55
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	16	0.55
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	7	0.55
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	2	0.55
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	11	0.55
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	1	0.55
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	14	0.55
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	8	0.55
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	13	0.55
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	10	0.55
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	20	0.55
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	1	0.55
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	6	0.55
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	12	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	3	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	5	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	5	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	5	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	5	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	5	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	6	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	9	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	15	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	19	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	19	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	19	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	19	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	19	0.55
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	19	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	3	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	5	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	6	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	7	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	8	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	13	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	15	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	16	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	18	0.55
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	19	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	2	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	3	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	4	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	5	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	7	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	9	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	11	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	14	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	16	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	18	0.55
(1,522)	1:15:A:PHE:HB3	1:16:A:LYS:H	19	0.55
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	7	0.55
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	6	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	1	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	1	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	1	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	2	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	2	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	2	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	3	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	3	0.55
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	3	0.55
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	20	0.55
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	6	0.55
(1,426)	1:20:A:LYS:H	1:20:A:LYS:HG2	17	0.55
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	15	0.55
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	17	0.55
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	12	0.55
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	12	0.55
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	3	0.55
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	13	0.55
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	15	0.55
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	17	0.55
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	15	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	1	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	1	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	1	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	2	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	2	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	2	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	11	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	11	0.55
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	11	0.55
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	6	0.55
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	6	0.55
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	6	0.55
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	5	0.55
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	7	0.55
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	16	0.55
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	16	0.55
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	16	0.55
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	16	0.55
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	15	0.55
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	15	0.55
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	15	0.55
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	15	0.55
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	16	0.55
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	16	0.55
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	16	0.55
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	5	0.55
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	5	0.55
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	8	0.55
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	20	0.55
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	19	0.55
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	19	0.55
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	4	0.55
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	4	0.55
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	17	0.55
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	10	0.55
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	10	0.55
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	16	0.55
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	16	0.55
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	4	0.55
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	14	0.55
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	4	0.55
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	4	0.55
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	11	0.55
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	11	0.55
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	17	0.55
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	17	0.55
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	5	0.55
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	5	0.55
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	9	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	3	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	5	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	7	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	10	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	12	0.55
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	18	0.55
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	11	0.55
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	20	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	4	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	4	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	4	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	14	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	14	0.55
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	14	0.55
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	9	0.55
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	9	0.55
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	4	0.55
(1,87)	1:10:A:HIS:H	1:11:A:ILE:HA	15	0.55
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	1	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	3	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	5	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	6	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	7	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	9	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	11	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	13	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	14	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	15	0.54
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	20	0.54
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	4	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	1	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	3	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	5	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	6	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	7	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	9	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	11	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	13	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	14	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	15	0.54
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	20	0.54
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	4	0.54
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	6	0.54
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	6	0.54
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	6	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	2	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	2	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	3	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	4	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	4	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	5	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	5	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	6	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	6	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	7	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	7	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	8	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	8	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	9	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	9	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	10	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	10	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	11	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	11	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	12	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	12	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	13	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	13	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	14	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	14	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	15	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	15	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	16	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	16	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	18	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	18	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	19	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	19	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	20	0.54
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	20	0.54
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	20	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	4	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	4	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	16	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	16	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	17	0.54
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	17	0.54
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	6	0.54
(1,607)	1:13:A:GLU:HG2	1:14:A:SER:H	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	20	0.54
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	2	0.54
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	2	0.54
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	4	0.54
(1,579)	1:23:A:GLY:HA3	1:24:A:ARG:H	6	0.54
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	18	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	11	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	11	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	11	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	11	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	11	0.54
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	11	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	4	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	7	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	10	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	12	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	16	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	16	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	16	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	16	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	16	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	17	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	17	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	17	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	17	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	17	0.54
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	17	0.54
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	2	0.54
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	10	0.54
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	12	0.54
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	17	0.54
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	18	0.54
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	18	0.54
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	18	0.54
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	20	0.54
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	13	0.54
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	20	0.54
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	20	0.54
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	20	0.54
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	12	0.54
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	12	0.54
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	12	0.54
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	3	0.54
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	6	0.54
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	4	0.54
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	6	0.54
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	10	0.54
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	13	0.54
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	15	0.54
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	20	0.54
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	20	0.54
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	10	0.54
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	9	0.54
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	9	0.54
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	8	0.54
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	8	0.54
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	8	0.54
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	18	0.54
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	18	0.54
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	18	0.54
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	6	0.54
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	6	0.54
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB2	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:29:A:LEU:H	1:32:A:ASN:HB3	18	0.54
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	20	0.54
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	20	0.54
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	5	0.54
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	15	0.54
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	13	0.54
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	15	0.54
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	19	0.54
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	19	0.54
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	19	0.54
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	12	0.54
(1,175)	1:36:A:THR:H	1:37:A:CYS:H	10	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	3	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	3	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	5	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	5	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	8	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	8	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	12	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	12	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	14	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	14	0.54
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	18	0.54
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	18	0.54
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	6	0.54
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	6	0.54
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	13	0.54
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	13	0.54
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	13	0.54
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	16	0.54
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	1	0.54
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	17	0.54
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	8	0.54
(1,140)	1:11:A:ILE:HA	1:15:A:PHE:H	20	0.54
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	5	0.54
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	7	0.54
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	14	0.54
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	15	0.54
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	18	0.54
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	5	0.54
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	18	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	6	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	8	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	9	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	11	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	13	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	14	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	15	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	17	0.54
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	19	0.54
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	1	0.54
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	2	0.54
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	10	0.54
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	2	0.54
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	2	0.54
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	2	0.54
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	5	0.54
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	5	0.54
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	5	0.54
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	5	0.54
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	6	0.54
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	6	0.54
(1,31)	1:24:A:ARG:HG2	1:25:A:ASN:HD21	19	0.54
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	19	0.53
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	10	0.53
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	16	0.53
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	19	0.53
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	10	0.53
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	16	0.53
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	8	0.53
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	13	0.53
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	19	0.53
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	19	0.53
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	19	0.53
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	13	0.53
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	13	0.53
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	1	0.53
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	3	0.53
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	8	0.53
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	3	0.53
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	12	0.53
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	15	0.53
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	16	0.53
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	13	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	1	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	14	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	14	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	14	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	14	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	14	0.53
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	14	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	8	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	18	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	18	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	18	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	18	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	18	0.53
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	18	0.53
(1,532)	1:26:A:GLY:HA2	1:28:A:LYS:H	4	0.53
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	12	0.53
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	19	0.53
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	20	0.53
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	3	0.53
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	5	0.53
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	8	0.53
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	9	0.53
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	11	0.53
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	3	0.53
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	1	0.53
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	1	0.53
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	6	0.53
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	6	0.53
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	6	0.53
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	8	0.53
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	8	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	8	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	8	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	8	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	13	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	13	0.53
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	13	0.53
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	6	0.53
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	20	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	3	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	3	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	3	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	6	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	6	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	6	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	10	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	10	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	10	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	17	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	17	0.53
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	17	0.53
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	4	0.53
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	13	0.53
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	15	0.53
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	2	0.53
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	5	0.53
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	11	0.53
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	11	0.53
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	10	0.53
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	15	0.53
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	15	0.53
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	7	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	7	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	7	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	9	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	9	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	11	0.53
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	11	0.53
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	11	0.53
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	11	0.53
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	9	0.53
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	11	0.53
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	15	0.53
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	20	0.53
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG21	7	0.53
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG22	7	0.53
(1,209)	1:12:A:CYS:H	1:36:A:THR:HG23	7	0.53
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	9	0.53
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	9	0.53
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	3	0.53
(1,201)	1:24:A:ARG:HB3	1:24:A:ARG:HE	13	0.53
(1,200)	1:20:A:LYS:HG2	1:21:A:ASP:H	17	0.53
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	2	0.53
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	2	0.53
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	6	0.53
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	6	0.53
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	15	0.53
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	15	0.53
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	16	0.53
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	16	0.53
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	17	0.53
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	3	0.53
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	9	0.53
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	8	0.53
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	12	0.53
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	4	0.53
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	16	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	15	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	15	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	15	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	18	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	18	0.53
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	18	0.53
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	12	0.53
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	15	0.53
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	17	0.53
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	20	0.53
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	20	0.53
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	19	0.52
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	3	0.52
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	4	0.52
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	17	0.52
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	5	0.52
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	8	0.52
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	7	0.52
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	7	0.52
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	5	0.52
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	1	0.52
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	5	0.52
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	18	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	5	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	5	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	7	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	7	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	9	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	9	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	11	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	11	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	14	0.52
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	14	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	3	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	6	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	9	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	11	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	15	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	17	0.52
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	20	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD11	9	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD12	9	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD13	9	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD21	9	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD22	9	0.52
(1,563)	1:25:A:ASN:H	1:29:A:LEU:HD23	9	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD11	14	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD12	14	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD13	14	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD21	14	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD22	14	0.52
(1,558)	1:15:A:PHE:HB3	1:29:A:LEU:HD23	14	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD11	2	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD12	2	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD13	2	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD21	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD22	2	0.52
(1,557)	1:29:A:LEU:H	1:29:A:LEU:HD23	2	0.52
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	19	0.52
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	11	0.52
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	2	0.52
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	12	0.52
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	14	0.52
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	18	0.52
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	20	0.52
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	13	0.52
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	13	0.52
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	13	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	10	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	10	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	10	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	11	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	11	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	11	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	16	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	16	0.52
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	16	0.52
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	11	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	4	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	4	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	4	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	5	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	5	0.52
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	5	0.52
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	4	0.52
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	5	0.52
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	6	0.52
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	7	0.52
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	17	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	1	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	8	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	9	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	11	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	12	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	14	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	16	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	18	0.52
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	3	0.52
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	7	0.52
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	18	0.52
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	1	0.52
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	1	0.52
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	17	0.52
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	16	0.52
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	8	0.52
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	18	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	3	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	5	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	6	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	7	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	9	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	11	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	13	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	14	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	15	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	19	0.52
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	20	0.52
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	13	0.52
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	13	0.52
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	14	0.52
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	14	0.52
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	20	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	1	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	8	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	9	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	11	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	14	0.52
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	15	0.52
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	6	0.52
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	4	0.52
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	11	0.52
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	20	0.52
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	2	0.52
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	4	0.52
(1,126)	1:28:A:LYS:HA	1:31:A:ALA:H	10	0.52
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	12	0.52
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	14	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	8	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	8	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	16	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	16	0.52
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	16	0.52
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	16	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	1	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	1	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	1	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	17	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	17	0.52
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	17	0.52
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	7	0.52
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	7	0.52
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	1	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	3	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	6	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	9	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	11	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	13	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	14	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	15	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	17	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	19	0.51
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	20	0.51
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	3	0.51
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	13	0.51
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	15	0.51
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	19	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	1	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	3	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	6	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	9	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	11	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	13	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	14	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	15	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	17	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	19	0.51
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	20	0.51
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	3	0.51
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	13	0.51
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	19	0.51
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	11	0.51
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	5	0.51
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	1	0.51
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	1	0.51
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB2	17	0.51
(1,692)	1:16:A:LYS:HA	1:16:A:LYS:HB3	17	0.51
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	1	0.51
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	1	0.51
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	10	0.51
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	12	0.51
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	16	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	8	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	8	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	12	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	12	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	0.51
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	0.51
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	5	0.51
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	19	0.51
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	16	0.51
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD1	20	0.51
(1,498)	1:15:A:PHE:H	1:15:A:PHE:HD2	20	0.51
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	15	0.51
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	15	0.51
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	15	0.51
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	2	0.51
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	11	0.51
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	12	0.51
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	17	0.51
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	12	0.51
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	12	0.51
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	4	0.51
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	9	0.51
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	5	0.51
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	12	0.51
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	16	0.51
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	8	0.51
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	8	0.51
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	8	0.51
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	7	0.51
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	7	0.51
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG21	19	0.51
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG22	19	0.51
(1,380)	1:36:A:THR:HA	1:36:A:THR:HG23	19	0.51
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	3	0.51
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	13	0.51
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	15	0.51
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE2	14	0.51
(1,364)	1:35:A:LYS:HB2	1:35:A:LYS:HE3	14	0.51
(1,335)	1:21:A:ASP:HB2	1:23:A:GLY:H	6	0.51
(1,335)	1:21:A:ASP:HB3	1:23:A:GLY:H	6	0.51
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	19	0.51
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	19	0.51
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	2	0.51
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	18	0.51
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	18	0.51
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	19	0.51
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	19	0.51
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	6	0.51
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	14	0.51
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	14	0.51
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	11	0.51
(1,252)	1:4:A:SER:H	1:4:A:SER:HB2	16	0.51
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	20	0.51
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	12	0.51
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	16	0.51
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	1	0.51
(1,165)	1:28:A:LYS:HG2	1:29:A:LEU:H	17	0.51
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	5	0.51
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	5	0.51
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	16	0.51
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	16	0.51
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	14	0.51
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	10	0.51
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	12	0.51
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	17	0.51
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	18	0.51
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	12	0.51
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	6	0.51
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	6	0.51
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	6	0.51
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	13	0.51
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	13	0.51
(1,117)	1:30:A:ARG:H	1:30:A:ARG:HB2	20	0.51
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	3	0.51
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	5	0.51
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	6	0.51
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	13	0.51
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	3	0.51
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	9	0.51
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	9	0.51
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	9	0.51
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	5	0.51
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	5	0.51
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	11	0.51
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	11	0.51
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	20	0.5
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	5	0.5
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	7	0.5
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	4	0.5
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	10	0.5
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	16	0.5
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	7	0.5
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	20	0.5
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	5	0.5
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	7	0.5
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	4	0.5
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	10	0.5
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	16	0.5
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	7	0.5
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	9	0.5
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	7	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	5	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	5	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	5	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	7	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	7	0.5
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	7	0.5
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	15	0.5
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	2	0.5
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	3	0.5
(1,652)	1:36:A:THR:HB	1:37:A:CYS:H	7	0.5
(1,639)	1:28:A:LYS:HA	1:32:A:ASN:HD22	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	17	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	10	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	10	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	13	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	13	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	18	0.5
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	18	0.5
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	8	0.5
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	13	0.5
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	1	0.5
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	6	0.5
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	17	0.5
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	17	0.5
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	17	0.5
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	15	0.5
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	15	0.5
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	15	0.5
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	10	0.5
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	6	0.5
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	2	0.5
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	8	0.5
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	8	0.5
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	18	0.5
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	20	0.5
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD1	1	0.5
(1,285)	1:15:A:PHE:HB3	1:18:A:PHE:HD2	1	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	8	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	8	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	8	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	16	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	16	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	16	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	18	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	18	0.5
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	18	0.5
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	4	0.5
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	4	0.5
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	5	0.5
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	5	0.5
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	18	0.5
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	18	0.5
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	4	0.5
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	1	0.5
(1,164)	1:32:A:ASN:HB2	1:33:A:CYS:H	10	0.5
(1,164)	1:32:A:ASN:HB3	1:33:A:CYS:H	10	0.5
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE2	6	0.5
(1,155)	1:34:A:LYS:HG3	1:34:A:LYS:HE3	6	0.5
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	6	0.5
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	13	0.5
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	19	0.5
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	2	0.5
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	4	0.5
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	7	0.5
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	11	0.5
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	11	0.5
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	11	0.5
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	11	0.49
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	19	0.49
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	3	0.49
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	15	0.49
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	1	0.49
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	5	0.49
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	11	0.49
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	19	0.49
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	3	0.49
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	15	0.49
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	1	0.49
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	5	0.49
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	14	0.49
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	15	0.49
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	15	0.49
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	10	0.49
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	11	0.49
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	15	0.49
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	18	0.49
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	19	0.49
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	13	0.49
(1,596)	1:30:A:ARG:HA	1:33:A:CYS:H	7	0.49
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	12	0.49
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	15	0.49
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	20	0.49
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	6	0.49
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	4	0.49
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	15	0.49
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	1	0.49
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	17	0.49
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	17	0.49
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	17	0.49
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	7	0.49
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	9	0.49
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	16	0.49
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	16	0.49
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	14	0.49
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	14	0.49
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	14	0.49
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	7	0.49
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	4	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	2	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	2	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	2	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	14	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	14	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	14	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	16	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	16	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	16	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	18	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	18	0.49
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	18	0.49
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	8	0.49
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	8	0.49
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	8	0.49
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	10	0.49
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	20	0.49
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	4	0.49
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	4	0.49
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	17	0.49
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	6	0.49
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	10	0.49
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	10	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	1	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	1	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	1	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	2	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	2	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	9	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	9	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	9	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	10	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	10	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	10	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	11	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	11	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	11	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	12	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	12	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	12	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	14	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	14	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	14	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	20	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	20	0.49
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	20	0.49
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	15	0.49
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	15	0.49
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	18	0.49
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	18	0.49
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	7	0.49
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	7	0.49
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	18	0.49
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	20	0.49
(1,170)	1:35:A:LYS:HG2	1:36:A:THR:H	19	0.49
(1,170)	1:35:A:LYS:HG3	1:36:A:THR:H	19	0.49
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB2	19	0.49
(1,162)	1:7:A:ALA:H	1:32:A:ASN:HB3	19	0.49
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	11	0.49
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	3	0.49
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	5	0.49
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	7	0.49
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	16	0.49
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	2	0.49
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	10	0.49
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	2	0.49
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	7	0.49
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	10	0.49
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	10	0.49
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	1	0.48
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	9	0.48
(1,873)	1:5:A:ASP:OD1	1:36:A:THR:H	19	0.48
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	11	0.48
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	14	0.48
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	13	0.48
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	3	0.48
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	4	0.48
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	1	0.48
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	9	0.48
(1,792)	1:5:A:ASP:OD1	1:36:A:THR:H	19	0.48
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	11	0.48
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	14	0.48
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	13	0.48
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	3	0.48
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	4	0.48
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	4	0.48
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	12	0.48
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG21	17	0.48
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG22	17	0.48
(1,702)	1:13:A:GLU:H	1:36:A:THR:HG23	17	0.48
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	17	0.48
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	17	0.48
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	3	0.48
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	6	0.48
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	2	0.48
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	2	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	4	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	8	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	10	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	13	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	16	0.48
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	20	0.48
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	8	0.48
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	9	0.48
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	9	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	3	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	3	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	4	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	15	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	15	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	17	0.48
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	17	0.48
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	7	0.48
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	20	0.48
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	1	0.48
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	16	0.48
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	18	0.48
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	19	0.48
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	2	0.48
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	19	0.48
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	19	0.48
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	19	0.48
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	1	0.48
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	1	0.48
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	14	0.48
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	14	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	3	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	3	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	5	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	5	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	7	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	7	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	11	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	11	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	19	0.48
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	19	0.48
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	9	0.48
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	9	0.48
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	9	0.48
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	11	0.48
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	10	0.48
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	10	0.48
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	10	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	3	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	3	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	15	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	15	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	17	0.48
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	17	0.48
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	12	0.48
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	5	0.48
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	7	0.48
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	17	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	3	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	3	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	3	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	4	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	4	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	4	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	5	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	5	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	5	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	6	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	6	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	6	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	7	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	7	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	7	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	13	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	13	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	13	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	15	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	15	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	15	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	17	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	17	0.48
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	17	0.48
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	19	0.48
(1,242)	1:35:A:LYS:HA	1:38:A:GLY:H	20	0.48
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	14	0.48
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	9	0.48
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	10	0.48
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	8	0.48
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	8	0.48
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	20	0.48
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	20	0.48
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	9	0.48
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	4	0.48
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	4	0.48
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	8	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	2	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	3	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	3	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	4	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	4	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	5	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	5	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	6	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	6	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	13	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	13	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	15	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	15	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	17	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	17	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	19	0.48
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	19	0.48
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	5	0.48
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	5	0.48
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	5	0.48
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	9	0.47
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	17	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	2	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	10	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	13	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	16	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	18	0.47
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	19	0.47
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	9	0.47
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	17	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	2	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	10	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	13	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	16	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	18	0.47
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	19	0.47
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	13	0.47
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	15	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	2	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	4	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	8	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	12	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	16	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	17	0.47
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	18	0.47
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	13	0.47
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	17	0.47
(1,681)	1:24:A:ARG:H	1:25:A:ASN:H	7	0.47
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	2	0.47
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	5	0.47
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	6	0.47
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	7	0.47
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	8	0.47
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	2	0.47
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	3	0.47
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	9	0.47
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	11	0.47
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	12	0.47
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	16	0.47
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	18	0.47
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB2	19	0.47
(1,598)	1:21:A:ASP:HA	1:21:A:ASP:HB3	19	0.47
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	14	0.47
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	11	0.47
(1,577)	1:24:A:ARG:HA	1:28:A:LYS:H	20	0.47
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	12	0.47
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	10	0.47
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	10	0.47
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	10	0.47
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	18	0.47
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	18	0.47
(1,468)	1:40:A:CYS:H	1:40:A:CYS:HB2	20	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	1	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	1	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	2	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	2	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	4	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	4	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	6	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	6	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	8	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	8	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	9	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	10	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	10	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	12	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	12	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	13	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	13	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	14	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	14	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	15	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	15	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	16	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	16	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	17	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	17	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	18	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	18	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB2	20	0.47
(1,465)	1:28:A:LYS:HA	1:28:A:LYS:HB3	20	0.47
(1,456)	1:35:A:LYS:H	1:36:A:THR:H	19	0.47
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	20	0.47
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	20	0.47
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	20	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	16	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	16	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	16	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	18	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	18	0.47
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	18	0.47
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	9	0.47
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	20	0.47
(1,410)	1:18:A:PHE:H	1:19:A:CYS:H	10	0.47
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	18	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	9	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	9	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	9	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	11	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	11	0.47
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	11	0.47
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	17	0.47
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	17	0.47
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	19	0.47
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	19	0.47
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	6	0.47
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	1	0.47
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	1	0.47
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	13	0.47
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	13	0.47
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	13	0.47
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	3	0.47
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	3	0.47
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	4	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	2	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	2	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	8	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	8	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	11	0.47
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	11	0.47
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB1	19	0.47
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB2	19	0.47
(1,271)	1:31:A:ALA:H	1:31:A:ALA:HB3	19	0.47
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	3	0.47
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	3	0.47
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	16	0.47
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	16	0.47
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	9	0.47
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	9	0.47
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	13	0.47
(1,255)	1:28:A:LYS:HG3	1:28:A:LYS:HD3	13	0.47
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	4	0.47
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	13	0.47
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	16	0.47
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	14	0.47
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	16	0.47
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	3	0.47
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	2	0.47
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	2	0.47
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	1	0.47
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	16	0.47
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	16	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	1	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	1	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	9	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	11	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	11	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	12	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	12	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	14	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	14	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	16	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	16	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	18	0.47
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	18	0.47
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	10	0.47
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	1	0.47
(1,146)	1:30:A:ARG:H	1:30:A:ARG:HD3	2	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	6	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	9	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	10	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	12	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	13	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	14	0.47
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	16	0.47
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	16	0.47
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	13	0.47
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	7	0.47
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	7	0.47
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	7	0.47
(1,116)	1:30:A:ARG:HB2	1:31:A:ALA:H	19	0.47
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	7	0.47
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	19	0.47
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	19	0.47
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	19	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	3	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	3	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	3	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	7	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	7	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	7	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	19	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	19	0.47
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	19	0.47
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	14	0.46
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	8	0.46
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	11	0.46
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	14	0.46
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	15	0.46
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	14	0.46
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	19	0.46
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	8	0.46
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	11	0.46
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	14	0.46
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	15	0.46
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	19	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	3	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	5	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	6	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	7	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	11	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	13	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	14	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	15	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	19	0.46
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	20	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	1	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	1	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	1	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	1	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	1	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	1	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG21	17	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG22	17	0.46
(1,693)	1:16:A:LYS:HB2	1:36:A:THR:HG23	17	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG21	17	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG22	17	0.46
(1,693)	1:16:A:LYS:HB3	1:36:A:THR:HG23	17	0.46
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	5	0.46
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	14	0.46
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	3	0.46
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	15	0.46
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	3	0.46
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	14	0.46
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	19	0.46
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	5	0.46
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	14	0.46
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	2	0.46
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	3	0.46
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	6	0.46
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	19	0.46
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	7	0.46
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	10	0.46
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	20	0.46
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	2	0.46
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	3	0.46
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	2	0.46
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	1	0.46
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	1	0.46
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	13	0.46
(1,513)	1:33:A:CYS:HA	1:36:A:THR:HB	17	0.46
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	9	0.46
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	11	0.46
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	18	0.46
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	14	0.46
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	6	0.46
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	18	0.46
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	16	0.46
(1,393)	1:17:A:SER:HB3	1:18:A:PHE:H	17	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	1	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	1	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	1	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	12	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	12	0.46
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	12	0.46
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	19	0.46
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	19	0.46
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	19	0.46
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	3	0.46
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	4	0.46
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	13	0.46
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	15	0.46
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	4	0.46
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	4	0.46
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	4	0.46
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	5	0.46
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	5	0.46
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	12	0.46
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	18	0.46
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	18	0.46
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	16	0.46
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	17	0.46
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	20	0.46
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	14	0.46
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	11	0.46
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	20	0.46
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	5	0.46
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	5	0.46
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	5	0.46
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	5	0.46
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	9	0.46
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	9	0.46
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	11	0.46
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	11	0.46
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	10	0.46
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	10	0.46
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	10	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	6	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	6	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	6	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	13	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	13	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	13	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD11	15	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD12	15	0.46
(1,100)	1:30:A:ARG:HD3	1:39:A:LEU:HD13	15	0.46
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	14	0.45
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	2	0.45
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	9	0.45
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	11	0.45
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	7	0.45
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	12	0.45
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	14	0.45
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	2	0.45
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	9	0.45
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	11	0.45
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	7	0.45
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	12	0.45
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	1	0.45
(1,738)	1:29:A:LEU:H	1:29:A:LEU:HB2	9	0.45
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	1	0.45
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	1	0.45
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	7	0.45
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	6	0.45
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	7	0.45
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD2	18	0.45
(1,680)	1:24:A:ARG:H	1:24:A:ARG:HD3	18	0.45
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	9	0.45
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	16	0.45
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	18	0.45
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	4	0.45
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	5	0.45
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	13	0.45
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	20	0.45
(1,606)	1:14:A:SER:H	1:16:A:LYS:H	14	0.45
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	1	0.45
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	9	0.45
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	11	0.45
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	17	0.45
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	17	0.45
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	8	0.45
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	14	0.45
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	16	0.45
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	17	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	8	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	8	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	8	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	16	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	16	0.45
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	16	0.45
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	9	0.45
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	9	0.45
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	20	0.45
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	20	0.45
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	6	0.45
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	19	0.45
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	2	0.45
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	11	0.45
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	2	0.45
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	3	0.45
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	3	0.45
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	17	0.45
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	6	0.45
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	6	0.45
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	10	0.45
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	10	0.45
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	16	0.45
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	17	0.45
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	17	0.45
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	19	0.45
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	19	0.45
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	19	0.45
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	15	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	6	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	6	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	8	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	8	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	13	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	13	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	17	0.45
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	17	0.45
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	11	0.45
(1,212)	1:12:A:CYS:H	1:13:A:GLU:H	12	0.45
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	11	0.45
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	1	0.45
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	8	0.45
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	14	0.45
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	1	0.45
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	17	0.45
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	14	0.45
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	1	0.45
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	8	0.45
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	15	0.45
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	17	0.45
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	18	0.45
(1,128)	1:31:A:ALA:H	1:32:A:ASN:H	18	0.45
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	11	0.45
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	4	0.45
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	4	0.45
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	4	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	1	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	8	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	8	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	12	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	12	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	14	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	14	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	16	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	16	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA2	18	0.45
(1,113)	1:38:A:GLY:H	1:38:A:GLY:HA3	18	0.45
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	12	0.44
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	18	0.44
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	17	0.44
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	5	0.44
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	9	0.44
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	7	0.44
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	12	0.44
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	18	0.44
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	17	0.44
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	5	0.44
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	9	0.44
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	7	0.44
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	20	0.44
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	17	0.44
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	17	0.44
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	1	0.44
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	2	0.44
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	11	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	1	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	5	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	10	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	14	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	17	0.44
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	19	0.44
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	1	0.44
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	11	0.44
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	12	0.44
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	13	0.44
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	19	0.44
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	2	0.44
(1,636)	1:11:A:ILE:HG12	1:12:A:CYS:H	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	19	0.44
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	15	0.44
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	4	0.44
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	5	0.44
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	15	0.44
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	1	0.44
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	12	0.44
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	11	0.44
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	11	0.44
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	12	0.44
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	9	0.44
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	14	0.44
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	13	0.44
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	7	0.44
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	7	0.44
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	7	0.44
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	7	0.44
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE2	1	0.44
(1,345)	1:16:A:LYS:H	1:16:A:LYS:HE3	1	0.44
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	13	0.44
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	13	0.44
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	4	0.44
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	4	0.44
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	14	0.44
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	14	0.44
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	6	0.44
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	6	0.44
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	14	0.44
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	9	0.44
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	8	0.44
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	17	0.44
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	17	0.44
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	8	0.44
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	6	0.44
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	8	0.44
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	13	0.44
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	15	0.44
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	9	0.44
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	3	0.43
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	4	0.43
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	7	0.43
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	8	0.43
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	2	0.43
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	3	0.43
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	4	0.43
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	7	0.43
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	7	0.43
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	8	0.43
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	2	0.43
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	6	0.43
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	8	0.43
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	8	0.43
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	9	0.43
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	15	0.43
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	17	0.43
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	20	0.43
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	7	0.43
(1,613)	1:16:A:LYS:HG2	1:17:A:SER:H	10	0.43
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	13	0.43
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	5	0.43
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	15	0.43
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	10	0.43
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	5	0.43
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	7	0.43
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	11	0.43
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	18	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	12	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	12	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	12	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	13	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	13	0.43
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	13	0.43
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	8	0.43
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	18	0.43
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	4	0.43
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	8	0.43
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	6	0.43
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	8	0.43
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	15	0.43
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	18	0.43
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	6	0.43
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	8	0.43
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	5	0.43
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	5	0.43
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	7	0.43
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	7	0.43
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	7	0.43
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	1	0.43
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE2	8	0.43
(1,346)	1:16:A:LYS:HG2	1:16:A:LYS:HE3	8	0.43
(1,343)	1:14:A:SER:HB3	1:15:A:PHE:H	1	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	8	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	8	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	13	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	13	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	18	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	18	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	0.43
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	20	0.43
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	2	0.43
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	2	0.43
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	14	0.43
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	16	0.43
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	19	0.43
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	14	0.43
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	9	0.43
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	5	0.43
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	11	0.43
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	12	0.43
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	18	0.43
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	20	0.43
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	19	0.43
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	3	0.43
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	7	0.43
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	19	0.43
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	6	0.43
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	15	0.43
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	19	0.43
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	2	0.43
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	5	0.42
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	16	0.42
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	20	0.42
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	1	0.42
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	11	0.42
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	5	0.42
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	16	0.42
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	20	0.42
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	1	0.42
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	9	0.42
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	11	0.42
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	19	0.42
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	9	0.42
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	4	0.42
(1,666)	1:11:A:ILE:H	1:11:A:ILE:HB	10	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	2	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	2	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	3	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	3	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	4	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	4	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	5	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	5	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	6	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	6	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	7	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	7	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	10	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	10	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	13	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	13	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	15	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	15	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	17	0.42
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	17	0.42
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	6	0.42
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	3	0.42
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	17	0.42
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	19	0.42
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	10	0.42
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	16	0.42
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	19	0.42
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	19	0.42
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	19	0.42
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	19	0.42
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	19	0.42
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	7	0.42
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	18	0.42
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	9	0.42
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	15	0.42
(1,489)	1:17:A:SER:H	1:17:A:SER:HB3	2	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	1	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	1	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	1	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	2	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	2	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	2	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	4	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	4	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	4	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	11	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	11	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	11	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	12	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	12	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	12	0.42
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	18	0.42
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	18	0.42
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	18	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	8	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	8	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	8	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	14	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	14	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	14	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	16	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	16	0.42
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	16	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	2	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	5	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	12	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	13	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	18	0.42
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	20	0.42
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	6	0.42
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	10	0.42
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	4	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	4	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	4	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	6	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	6	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	6	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	15	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	15	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	15	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	17	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	17	0.42
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	17	0.42
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	5	0.42
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	5	0.42
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	5	0.42
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	12	0.42
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	2	0.42
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	2	0.42
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	7	0.42
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	7	0.42
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	10	0.42
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	19	0.42
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	3	0.42
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	3	0.42
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	3	0.42
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	15	0.42
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	15	0.42
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	11	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	14	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	14	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	14	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	19	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	19	0.42
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	19	0.42
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	2	0.42
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	4	0.42
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	6	0.42
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	12	0.42
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	2	0.42
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	3	0.42
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	7	0.42
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	8	0.42
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	12	0.42
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	11	0.42
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	20	0.42
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	5	0.42
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	3	0.42
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	3	0.42
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	3	0.42
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	3	0.42
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	11	0.42
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	11	0.42
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	11	0.42
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	11	0.42
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	1	0.42
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	11	0.42
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	6	0.41
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	8	0.41
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	13	0.41
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	4	0.41
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	7	0.41
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	6	0.41
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	8	0.41
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	13	0.41
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	4	0.41
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	7	0.41
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	6	0.41
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	9	0.41
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	9	0.41
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	13	0.41
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	13	0.41
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	2	0.41
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	11	0.41
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	13	0.41
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	6	0.41
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	6	0.41
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	6	0.41
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	1	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	1	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	3	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	5	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	6	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	8	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	12	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	13	0.41
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	14	0.41
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	11	0.41
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	15	0.41
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	4	0.41
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	10	0.41
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	11	0.41
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	16	0.41
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	17	0.41
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	10	0.41
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	13	0.41
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	6	0.41
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	6	0.41
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	6	0.41
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	9	0.41
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	9	0.41
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	9	0.41
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	16	0.41
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	16	0.41
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	16	0.41
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	17	0.41
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	17	0.41
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	17	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	1	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	3	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	9	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	10	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	11	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	14	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	16	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	17	0.41
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	19	0.41
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	12	0.41
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	14	0.41
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	14	0.41
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	14	0.41
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	13	0.41
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	3	0.41
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	19	0.41
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	2	0.41
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	4	0.41
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	5	0.41
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	7	0.41
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	8	0.41
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	9	0.41
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	14	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	5	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	5	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	9	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	9	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	11	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	11	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	12	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	12	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	14	0.41
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	14	0.41
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	20	0.41
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	2	0.41
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	2	0.41
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	2	0.41
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	2	0.41
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	2	0.41
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	20	0.41
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	20	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	1	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	1	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	1	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	3	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	3	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	3	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	5	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	5	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	5	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	6	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	6	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	6	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	7	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	7	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	7	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	8	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	8	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	9	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	9	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	9	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	11	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	11	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	11	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	12	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	12	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	12	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	13	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	13	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	13	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	20	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	20	0.41
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	20	0.41
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB2	10	0.41
(1,256)	1:6:A:ARG:H	1:32:A:ASN:HB3	10	0.41
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	12	0.41
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	18	0.41
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	6	0.41
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	10	0.41
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	13	0.41
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	17	0.41
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	16	0.41
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	9	0.41
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	6	0.41
(1,132)	1:9:A:GLY:H	1:9:A:GLY:HA2	2	0.41
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	10	0.41
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	10	0.41
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	10	0.41
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	9	0.41
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	13	0.41
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	15	0.41
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	17	0.41
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	2	0.4
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	15	0.4
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	17	0.4
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	1	0.4
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	4	0.4
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	5	0.4
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	20	0.4
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	2	0.4
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	15	0.4
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	17	0.4
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	1	0.4
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	4	0.4
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	5	0.4
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	17	0.4
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	20	0.4
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	2	0.4
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	3	0.4
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	8	0.4
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	19	0.4
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	1	0.4
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	12	0.4
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	18	0.4
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	6	0.4
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	6	0.4
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	4	0.4
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	8	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	8	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	9	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	11	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	12	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	14	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	16	0.4
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	18	0.4
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	2	0.4
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	9	0.4
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	16	0.4
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	17	0.4
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	6	0.4
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	13	0.4
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	5	0.4
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	9	0.4
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	7	0.4
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	15	0.4
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	5	0.4
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	6	0.4
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	19	0.4
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	17	0.4
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	17	0.4
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	5	0.4
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	5	0.4
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	5	0.4
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	7	0.4
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	7	0.4
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	7	0.4
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	8	0.4
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	8	0.4
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	8	0.4
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	14	0.4
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	14	0.4
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	14	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	11	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	11	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	11	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	18	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	18	0.4
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	18	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	1	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	1	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	1	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	1	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	1	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	1	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	11	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	11	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	11	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	11	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	11	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	11	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	12	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	12	0.4
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	12	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	12	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	12	0.4
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	12	0.4
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	13	0.4
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	4	0.4
(1,460)	1:27:A:VAL:HA	1:31:A:ALA:H	7	0.4
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD11	6	0.4
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD12	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:11:A:ILE:H	1:11:A:ILE:HD13	6	0.4
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	12	0.4
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	14	0.4
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	19	0.4
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	11	0.4
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	11	0.4
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	11	0.4
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	10	0.4
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	13	0.4
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	20	0.4
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	5	0.4
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	19	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	13	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	13	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	13	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG21	19	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG22	19	0.4
(1,385)	1:33:A:CYS:HB3	1:36:A:THR:HG23	19	0.4
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	3	0.4
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	3	0.4
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	3	0.4
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	4	0.4
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	4	0.4
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	4	0.4
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	10	0.4
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	11	0.4
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	16	0.4
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	16	0.4
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	8	0.4
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	16	0.4
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	2	0.4
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	13	0.4
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	13	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	2	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	2	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	2	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	4	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	4	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	4	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	15	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	15	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	16	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	16	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	16	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	17	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	17	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	17	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	18	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	18	0.4
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	18	0.4
(1,254)	1:28:A:LYS:HD2	1:32:A:ASN:HD21	10	0.4
(1,254)	1:28:A:LYS:HD3	1:32:A:ASN:HD21	10	0.4
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	7	0.4
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	7	0.4
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	20	0.4
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	20	0.4
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	10	0.4
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	4	0.4
(1,196)	1:28:A:LYS:H	1:30:A:ARG:H	15	0.4
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	2	0.4
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	4	0.4
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	10	0.4
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	18	0.4
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	19	0.4
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	14	0.4
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	11	0.4
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	15	0.4
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	2	0.4
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	15	0.4
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	9	0.4
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	12	0.4
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	8	0.4
(1,114)	1:13:A:GLU:HG3	1:14:A:SER:H	19	0.4
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	10	0.4
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	20	0.4
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	8	0.39
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	3	0.39
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	14	0.39
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	8	0.39
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	3	0.39
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	14	0.39
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	9	0.39
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:13:A:GLU:H	1:13:A:GLU:HB3	7	0.39
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	16	0.39
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	16	0.39
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	18	0.39
(1,662)	1:17:A:SER:H	1:17:A:SER:HB2	5	0.39
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	1	0.39
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	20	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	4	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	10	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	11	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	15	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	18	0.39
(1,633)	1:32:A:ASN:H	1:33:A:CYS:H	20	0.39
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	12	0.39
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	6	0.39
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	6	0.39
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	10	0.39
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	3	0.39
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	2	0.39
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	8	0.39
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	14	0.39
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	1	0.39
(1,519)	1:15:A:PHE:HA	1:17:A:SER:H	1	0.39
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	4	0.39
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	5	0.39
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	5	0.39
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	5	0.39
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	10	0.39
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	10	0.39
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	10	0.39
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	19	0.39
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	19	0.39
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	19	0.39
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	9	0.39
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	9	0.39
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	9	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	4	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	4	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	4	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	5	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	5	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	7	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	7	0.39
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	7	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	9	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	9	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	9	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	9	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	9	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	9	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	18	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	18	0.39
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	18	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	18	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	18	0.39
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	18	0.39
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	2	0.39
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	2	0.39
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	5	0.39
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	9	0.39
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	11	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	13	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	13	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	13	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	15	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	15	0.39
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	15	0.39
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	14	0.39
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	4	0.39
(1,407)	1:18:A:PHE:HB3	1:19:A:CYS:H	15	0.39
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	3	0.39
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	13	0.39
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	7	0.39
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	7	0.39
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	7	0.39
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	18	0.39
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	19	0.39
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB2	1	0.39
(1,334)	1:21:A:ASP:H	1:21:A:ASP:HB3	1	0.39
(1,324)	1:19:A:CYS:HA	1:30:A:ARG:HG2	1	0.39
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	3	0.39
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	5	0.39
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB1	10	0.39
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB2	10	0.39
(1,272)	1:30:A:ARG:H	1:31:A:ALA:HB3	10	0.39
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	20	0.39
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	3	0.39
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	9	0.39
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	15	0.39
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	3	0.39
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	2	0.39
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	2	0.39
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	12	0.39
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	12	0.39
(1,204)	1:22:A:SER:H	1:22:A:SER:HB3	10	0.39
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	20	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	1	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	3	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	5	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	6	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	7	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	13	0.39
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	17	0.39
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	4	0.39
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	3	0.39
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	9	0.39
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	13	0.39
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	14	0.39
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	19	0.39
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	11	0.39
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	16	0.39
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	8	0.39
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	2	0.39
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	4	0.39
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	8	0.39
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	16	0.39
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	7	0.39
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	7	0.39
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	7	0.39
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	6	0.39
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	19	0.38
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	4	0.38
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	1	0.38
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	12	0.38
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	7	0.38
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	19	0.38
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	4	0.38
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	1	0.38
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	6	0.38
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	12	0.38
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	7	0.38
(1,707)	1:5:A:ASP:HB2	1:6:A:ARG:H	19	0.38
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	8	0.38
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	15	0.38
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	17	0.38
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	11	0.38
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	14	0.38
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	14	0.38
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	12	0.38
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	17	0.38
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	14	0.38
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	5	0.38
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	7	0.38
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	20	0.38
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	2	0.38
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	14	0.38
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	4	0.38
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	9	0.38
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	15	0.38
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	18	0.38
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	6	0.38
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	12	0.38
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	18	0.38
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	5	0.38
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	4	0.38
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	4	0.38
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	5	0.38
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	5	0.38
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	13	0.38
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	13	0.38
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	13	0.38
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	15	0.38
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	15	0.38
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	15	0.38
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	2	0.38
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	2	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	13	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	13	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	13	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	13	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	13	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	13	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	15	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	15	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	15	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	15	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	15	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	15	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	16	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	16	0.38
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	16	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	16	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	16	0.38
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	16	0.38
(1,470)	1:3:A:CYS:H	1:4:A:SER:HA	10	0.38
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	12	0.38
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	12	0.38
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	12	0.38
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	18	0.38
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	18	0.38
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	18	0.38
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	3	0.38
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	8	0.38
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	16	0.38
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	20	0.38
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	4	0.38
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	6	0.38
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	5	0.38
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	5	0.38
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	5	0.38
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	3	0.38
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	4	0.38
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	10	0.38
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	13	0.38
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	11	0.38
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	4	0.38
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	6	0.38
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	13	0.38
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	15	0.38
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	17	0.38
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	16	0.38
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	16	0.38
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	16	0.38
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	18	0.38
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	18	0.38
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	18	0.38
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	20	0.38
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	20	0.38
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	19	0.38
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	10	0.38
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	11	0.38
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	13	0.38
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	8	0.38
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	18	0.38
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	18	0.38
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	13	0.38
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	9	0.38
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	11	0.38
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	14	0.38
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	15	0.38
(1,185)	1:27:A:VAL:H	1:30:A:ARG:H	20	0.38
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	13	0.38
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	15	0.38
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	2	0.38
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	10	0.38
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	19	0.38
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	4	0.38
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	10	0.38
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	18	0.38
(1,111)	1:25:A:ASN:HB3	1:26:A:GLY:H	18	0.38
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	5	0.38
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	5	0.38
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	5	0.38
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	17	0.37
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	10	0.37
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	13	0.37
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	10	0.37
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	13	0.37
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	12	0.37
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	10	0.37
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	20	0.37
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	20	0.37
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	16	0.37
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	16	0.37
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	16	0.37
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	20	0.37
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	20	0.37
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	20	0.37
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	17	0.37
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	13	0.37
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	15	0.37
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	7	0.37
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	9	0.37
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	16	0.37
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	7	0.37
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	17	0.37
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	17	0.37
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	17	0.37
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	17	0.37
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	17	0.37
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	17	0.37
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	3	0.37
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	10	0.37
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	5	0.37
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	8	0.37
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	12	0.37
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	18	0.37
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD1	17	0.37
(1,500)	1:14:A:SER:HB3	1:15:A:PHE:HD2	17	0.37
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	3	0.37
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	3	0.37
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	3	0.37
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	6	0.37
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	6	0.37
(1,486)	1:39:A:LEU:HD21	1:40:A:CYS:H	20	0.37
(1,486)	1:39:A:LEU:HD22	1:40:A:CYS:H	20	0.37
(1,486)	1:39:A:LEU:HD23	1:40:A:CYS:H	20	0.37
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	12	0.37
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	12	0.37
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	12	0.37
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	14	0.37
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	14	0.37
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	14	0.37
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	14	0.37
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	14	0.37
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	14	0.37
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	16	0.37
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	16	0.37
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	16	0.37
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	4	0.37
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	10	0.37
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	13	0.37
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	15	0.37
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	10	0.37
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	10	0.37
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	10	0.37
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	8	0.37
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	17	0.37
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	2	0.37
(1,367)	1:5:A:ASP:H	1:35:A:LYS:HB2	16	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	2	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	5	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	6	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	7	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	15	0.37
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	17	0.37
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	8	0.37
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	14	0.37
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	14	0.37
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	14	0.37
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	8	0.37
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	8	0.37
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	19	0.37
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	12	0.37
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	16	0.37
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	2	0.37
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	8	0.37
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	8	0.37
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	5	0.37
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	8	0.37
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	17	0.37
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	19	0.37
(1,177)	1:34:A:LYS:HA	1:37:A:CYS:H	10	0.37
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	17	0.37
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	17	0.37
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	1	0.37
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	10	0.37
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	10	0.37
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	18	0.37
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	19	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	2	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	2	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	2	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	3	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	3	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	3	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	6	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	6	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	6	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	17	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	17	0.37
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	17	0.37
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	14	0.37
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	15	0.36
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	20	0.36
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	15	0.36
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	20	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	2	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	4	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	8	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	13	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	16	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	18	0.36
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	19	0.36
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	14	0.36
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	19	0.36
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	19	0.36
(1,689)	1:33:A:CYS:H	1:34:A:LYS:H	20	0.36
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	8	0.36
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	19	0.36
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG2	19	0.36
(1,642)	1:35:A:LYS:HB3	1:35:A:LYS:HG3	19	0.36
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	1	0.36
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	8	0.36
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	4	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	3	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	3	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	4	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	4	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	8	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	8	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	13	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	13	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	14	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	14	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	20	0.36
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	20	0.36
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	12	0.36
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	13	0.36
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	14	0.36
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	17	0.36
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	3	0.36
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	4	0.36
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	20	0.36
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	7	0.36
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	19	0.36
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	20	0.36
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	10	0.36
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	2	0.36
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	5	0.36
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	14	0.36
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	14	0.36
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	14	0.36
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	15	0.36
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	15	0.36
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	4	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	4	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	4	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	4	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	4	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	4	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	6	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	6	0.36
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	6	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	6	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	6	0.36
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	6	0.36
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	11	0.36
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	11	0.36
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	11	0.36
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	14	0.36
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	14	0.36
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	14	0.36
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	20	0.36
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	20	0.36
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	1	0.36
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	7	0.36
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	5	0.36
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	19	0.36
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	12	0.36
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	12	0.36
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	12	0.36
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	3	0.36
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	15	0.36
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	17	0.36
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	8	0.36
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	9	0.36
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	12	0.36
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	14	0.36
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	14	0.36
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	16	0.36
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	11	0.36
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	14	0.36
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	16	0.36
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	12	0.36
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	12	0.36
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	8	0.36
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	8	0.36
(1,293)	1:2:A:ALA:HA	1:3:A:CYS:H	3	0.36
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	9	0.36
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	8	0.36
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	10	0.36
(1,248)	1:28:A:LYS:HG3	1:32:A:ASN:HD21	18	0.36
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	6	0.36
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	2	0.36
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	11	0.36
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	12	0.36
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	9	0.36
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	5	0.36
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	7	0.36
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	17	0.36
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	5	0.36
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	12	0.36
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	5	0.35
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	2	0.35
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	14	0.35
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	18	0.35
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	1	0.35
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	9	0.35
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	5	0.35
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	2	0.35
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	14	0.35
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	18	0.35
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	1	0.35
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	9	0.35
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	3	0.35
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	5	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	1	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	3	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	5	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	6	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	7	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	9	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	10	0.35
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	14	0.35
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	10	0.35
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	10	0.35
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	4	0.35
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	20	0.35
(1,685)	1:5:A:ASP:HB3	1:34:A:LYS:H	20	0.35
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	7	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	5	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	5	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	5	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ1	14	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ2	14	0.35
(1,658)	1:34:A:LYS:HB2	1:34:A:LYS:HZ3	14	0.35
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	11	0.35
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	13	0.35
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	19	0.35
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	1	0.35
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	6	0.35
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	2	0.35
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	5	0.35
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	7	0.35
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	15	0.35
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	3	0.35
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD21	1	0.35
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD22	1	0.35
(1,484)	1:37:A:CYS:HB2	1:39:A:LEU:HD23	1	0.35
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	13	0.35
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	13	0.35
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	13	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	3	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	3	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	3	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	3	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	3	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	3	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	8	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	8	0.35
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	8	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	8	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	8	0.35
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	8	0.35
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	8	0.35
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	8	0.35
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	8	0.35
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	2	0.35
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	7	0.35
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	7	0.35
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	9	0.35
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	9	0.35
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	19	0.35
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	19	0.35
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	9	0.35
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	9	0.35
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	9	0.35
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	9	0.35
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	3	0.35
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	3	0.35
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	3	0.35
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	6	0.35
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	6	0.35
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	6	0.35
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	3	0.35
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	15	0.35
(1,314)	1:39:A:LEU:HB2	1:40:A:CYS:H	1	0.35
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	9	0.35
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	11	0.35
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	18	0.35
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	1	0.35
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	7	0.35
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	7	0.35
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	7	0.35
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	10	0.35
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	10	0.35
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	20	0.35
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	7	0.35
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	3	0.35
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	4	0.35
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	7	0.35
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD11	17	0.35
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD12	17	0.35
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD13	17	0.35
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	10	0.35
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	20	0.35
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	4	0.35
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	5	0.35
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	12	0.35
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	16	0.35
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	4	0.35
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	3	0.35
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	4	0.35
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	13	0.35
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	1	0.35
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	17	0.35
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	1	0.35
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	3	0.35
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	6	0.35
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	13	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	8	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	8	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	8	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	13	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	13	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	13	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	15	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	15	0.35
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	15	0.35
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	10	0.35
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	10	0.35
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	18	0.35
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	10	0.34
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	20	0.34
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	7	0.34
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	11	0.34
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	16	0.34
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	11	0.34
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	10	0.34
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	20	0.34
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	7	0.34
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	11	0.34
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	16	0.34
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	11	0.34
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	11	0.34
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	15	0.34
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	17	0.34
(1,742)	1:34:A:LYS:HA	1:34:A:LYS:HB3	20	0.34
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	10	0.34
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	10	0.34
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	19	0.34
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	15	0.34
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	16	0.34
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	18	0.34
(1,679)	1:24:A:ARG:H	1:24:A:ARG:HG2	12	0.34
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	15	0.34
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	16	0.34
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	4	0.34
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	1	0.34
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	11	0.34
(1,546)	1:18:A:PHE:H	1:18:A:PHE:HB2	15	0.34
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	2	0.34
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	17	0.34
(1,525)	1:13:A:GLU:HA	1:16:A:LYS:H	17	0.34
(1,515)	1:10:A:HIS:HB3	1:11:A:ILE:H	7	0.34
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	8	0.34
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	7	0.34
(1,506)	1:37:A:CYS:H	1:37:A:CYS:HB2	7	0.34
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	10	0.34
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	10	0.34
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	1	0.34
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	1	0.34
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	1	0.34
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	6	0.34
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	6	0.34
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	6	0.34
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	17	0.34
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	17	0.34
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	17	0.34
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	17	0.34
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	17	0.34
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	17	0.34
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	10	0.34
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	1	0.34
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	1	0.34
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	1	0.34
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	7	0.34
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	7	0.34
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	7	0.34
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	9	0.34
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	9	0.34
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	17	0.34
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	17	0.34
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	17	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	1	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	1	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	3	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	3	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	8	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	8	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	10	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	10	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	11	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	11	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	14	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	14	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	15	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	15	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	16	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	16	0.34
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	18	0.34
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	18	0.34
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	17	0.34
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	4	0.34
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	17	0.34
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	2	0.34
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	1	0.34
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	9	0.34
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	10	0.34
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	16	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	6	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	6	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	6	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	20	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	20	0.34
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	20	0.34
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	4	0.34
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	5	0.34
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	7	0.34
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	13	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	2	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	2	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	2	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	2	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	2	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	3	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	5	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	6	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	7	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	8	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	10	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	17	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	17	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	17	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	17	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	17	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	19	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	19	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	19	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	19	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	19	0.34
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	19	0.34
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	1	0.34
(1,313)	1:39:A:LEU:H	1:39:A:LEU:HB2	12	0.34
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	9	0.34
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	9	0.34
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	9	0.34
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	9	0.34
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	11	0.34
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	11	0.34
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	11	0.34
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	19	0.34
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	19	0.34
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	10	0.34
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	6	0.34
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	6	0.34
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	6	0.34
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	6	0.34
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	2	0.34
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	15	0.34
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	9	0.34
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	6	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	2	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	2	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	3	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	3	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	5	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	5	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	6	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	6	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	7	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	7	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	13	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	19	0.34
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	19	0.34
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	7	0.34
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	6	0.34
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	9	0.34
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	2	0.34
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD11	2	0.34
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD12	2	0.34
(1,120)	1:37:A:CYS:HB3	1:39:A:LEU:HD13	2	0.34
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	9	0.34
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	11	0.34
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	14	0.34
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	15	0.34
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	4	0.34
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	4	0.34
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	4	0.34
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	2	0.34
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	2	0.34
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	4	0.34
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	16	0.34
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	12	0.33
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	16	0.33
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	9	0.33
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	12	0.33
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	20	0.33
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	8	0.33
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	4	0.33
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	5	0.33
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	17	0.33
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	12	0.33
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	16	0.33
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	9	0.33
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	12	0.33
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	20	0.33
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	8	0.33
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	4	0.33
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	5	0.33
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	17	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	3	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	3	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	3	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	4	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	4	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	11	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	11	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	11	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	13	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	13	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	13	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	15	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	15	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	15	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	17	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	17	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	17	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	20	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	20	0.33
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	20	0.33
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	2	0.33
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	11	0.33
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	14	0.33
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	13	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	2	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	2	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	19	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	19	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	20	0.33
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	20	0.33
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	2	0.33
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	2	0.33
(1,688)	1:32:A:ASN:H	1:34:A:LYS:H	12	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	1	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	2	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	3	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	4	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	5	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	6	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	7	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	8	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	9	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	10	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	11	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	13	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	14	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	15	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	16	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	17	0.33
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	18	0.33
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	18	0.33
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	19	0.33
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	3	0.33
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	4	0.33
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	5	0.33
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	5	0.33
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	5	0.33
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	5	0.33
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	5	0.33
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	5	0.33
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	2	0.33
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	16	0.33
(1,547)	1:20:A:LYS:H	1:21:A:ASP:H	19	0.33
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	20	0.33
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	20	0.33
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	8	0.33
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	3	0.33
(1,507)	1:6:A:ARG:HD3	1:33:A:CYS:HA	20	0.33
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	7	0.33
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	7	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	2	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	2	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	2	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	3	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	3	0.33
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	3	0.33
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	20	0.33
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	20	0.33
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	20	0.33
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	20	0.33
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	20	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	8	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	8	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	12	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	12	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	16	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	16	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	18	0.33
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	18	0.33
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	2	0.33
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	2	0.33
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	2	0.33
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	10	0.33
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	10	0.33
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	10	0.33
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	15	0.33
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	15	0.33
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	15	0.33
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	20	0.33
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	20	0.33
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	20	0.33
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	4	0.33
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	4	0.33
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	5	0.33
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	5	0.33
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	6	0.33
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	6	0.33
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	12	0.33
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	12	0.33
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	17	0.33
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	17	0.33
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	8	0.33
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	11	0.33
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	12	0.33
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	6	0.33
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	1	0.33
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	2	0.33
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	17	0.33
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	17	0.33
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	17	0.33
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	6	0.33
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	11	0.33
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	12	0.33
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	7	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	1	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	4	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	9	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	11	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	12	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	13	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	14	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	14	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	14	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	14	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	14	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	15	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	16	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	18	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	18	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	18	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	18	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	18	0.33
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	18	0.33
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	10	0.33
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	8	0.33
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	11	0.33
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	20	0.33
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	5	0.33
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	5	0.33
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	5	0.33
(1,281)	1:10:A:HIS:HB2	1:11:A:ILE:H	15	0.33
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	1	0.33
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	9	0.33
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	10	0.33
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	14	0.33
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	18	0.33
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	5	0.33
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	7	0.33
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	5	0.33
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	5	0.33
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	10	0.33
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	10	0.33
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	3	0.33
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	1	0.33
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	15	0.33
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	15	0.33
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	6	0.33
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	14	0.33
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	14	0.33
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	14	0.33
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	4	0.33
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	4	0.33
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	8	0.33
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	8	0.33
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	16	0.33
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	16	0.33
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	3	0.33
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	17	0.33
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	2	0.32
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	18	0.32
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	5	0.32
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	20	0.32
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	11	0.32
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	1	0.32
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	5	0.32
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	18	0.32
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	3	0.32
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	14	0.32
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	2	0.32
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	18	0.32
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	5	0.32
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	20	0.32
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	11	0.32
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	1	0.32
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	5	0.32
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	18	0.32
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	3	0.32
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	14	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	9	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	9	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	9	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	16	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	16	0.32
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	16	0.32
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	13	0.32
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	9	0.32
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	10	0.32
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	10	0.32
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	4	0.32
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	4	0.32
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	16	0.32
(1,615)	1:40:A:CYS:H	1:40:A:CYS:HB3	19	0.32
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	2	0.32
(1,592)	1:30:A:ARG:HA	1:33:A:CYS:HB2	19	0.32
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	10	0.32
(1,588)	1:39:A:LEU:H	1:39:A:LEU:HG	20	0.32
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	17	0.32
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	17	0.32
(1,581)	1:10:A:HIS:HA	1:10:A:HIS:HB3	17	0.32
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	3	0.32
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	6	0.32
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	6	0.32
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	6	0.32
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	6	0.32
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	6	0.32
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	6	0.32
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	9	0.32
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	11	0.32
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	14	0.32
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	16	0.32
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	7	0.32
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	7	0.32
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	7	0.32
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	6	0.32
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	19	0.32
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	18	0.32
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	18	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	2	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	2	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	2	0.32
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	2	0.32
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	2	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	5	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	5	0.32
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	5	0.32
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	5	0.32
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	5	0.32
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	5	0.32
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	6	0.32
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	6	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	1	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	1	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	2	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	2	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	4	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	4	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	10	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	10	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	14	0.32
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	14	0.32
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	5	0.32
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	5	0.32
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	5	0.32
(1,443)	1:32:A:ASN:HB2	1:33:A:CYS:HA	13	0.32
(1,443)	1:32:A:ASN:HB3	1:33:A:CYS:HA	13	0.32
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	20	0.32
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	2	0.32
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	17	0.32
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	8	0.32
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	6	0.32
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	12	0.32
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	11	0.32
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	11	0.32
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	11	0.32
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	9	0.32
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	20	0.32
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	18	0.32
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	15	0.32
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	6	0.32
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	8	0.32
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	17	0.32
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	16	0.32
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	7	0.32
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	7	0.32
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	16	0.32
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	16	0.32
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	1	0.32
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	7	0.32
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	12	0.32
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	2	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	5	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	11	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	13	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	14	0.32
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	15	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	10	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	10	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	14	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	14	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	20	0.32
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	20	0.32
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	10	0.32
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	14	0.32
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	4	0.32
(1,119)	1:27:A:VAL:HA	1:30:A:ARG:HB2	20	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	10	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	10	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	12	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	12	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	18	0.32
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	18	0.32
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	2	0.32
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	7	0.32
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	19	0.32
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	1	0.32
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	19	0.32
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	10	0.31
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	8	0.31
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	12	0.31
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	7	0.31
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	16	0.31
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	6	0.31
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	6	0.31
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	12	0.31
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	10	0.31
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	8	0.31
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	12	0.31
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	7	0.31
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	16	0.31
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	6	0.31
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	2	0.31
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	6	0.31
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	12	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	1	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	1	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	1	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	2	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	2	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	2	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	5	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	5	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	5	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	14	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	14	0.31
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	14	0.31
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	12	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	3	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	3	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	4	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	4	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	8	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	8	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	15	0.31
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	15	0.31
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	19	0.31
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	9	0.31
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	14	0.31
(1,644)	1:5:A:ASP:H	1:35:A:LYS:HB3	19	0.31
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	4	0.31
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	13	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	2	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	4	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	5	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	7	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	13	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	15	0.31
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	17	0.31
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	5	0.31
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	3	0.31
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	4	0.31
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	10	0.31
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	13	0.31
(1,538)	1:21:A:ASP:H	1:22:A:SER:H	15	0.31
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	1	0.31
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	2	0.31
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	12	0.31
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	18	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	4	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	4	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	11	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	11	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	16	0.31
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	16	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	4	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	4	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	4	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	9	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	9	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	9	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	10	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	10	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	10	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	11	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	11	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	11	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	19	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	19	0.31
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	19	0.31
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	7	0.31
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	7	0.31
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	7	0.31
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	7	0.31
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	7	0.31
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	7	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	3	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	5	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	5	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	6	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	6	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	7	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	7	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	9	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	9	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	11	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	11	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	13	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	13	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	15	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	15	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	17	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	17	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	20	0.31
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	20	0.31
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	3	0.31
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	3	0.31
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	3	0.31
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	13	0.31
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	13	0.31
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	13	0.31
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	3	0.31
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	7	0.31
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	1	0.31
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	13	0.31
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	6	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	2	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	2	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	2	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	9	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	9	0.31
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	9	0.31
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	14	0.31
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	16	0.31
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	18	0.31
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	11	0.31
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	8	0.31
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	8	0.31
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	8	0.31
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	8	0.31
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	3	0.31
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	5	0.31
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	7	0.31
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	12	0.31
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	8	0.31
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	8	0.31
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	8	0.31
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	10	0.31
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	20	0.31
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	1	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	4	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	4	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	17	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	17	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	20	0.31
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	20	0.31
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	5	0.31
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	5	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	5	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	9	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	11	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	16	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	17	0.31
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	18	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	3	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	5	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	6	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	7	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	8	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	9	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	10	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	11	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	12	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	13	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	14	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	15	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	16	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	17	0.31
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD11	1	0.31
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD12	1	0.31
(1,182)	1:10:A:HIS:H	1:11:A:ILE:HD13	1	0.31
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	4	0.31
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	7	0.31
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	8	0.31
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	16	0.31
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	20	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	8	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	8	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	9	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	9	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	11	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	11	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	12	0.31
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	12	0.31
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	18	0.31
(1,144)	1:13:A:GLU:HB3	1:14:A:SER:H	20	0.31
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	5	0.31
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	3	0.31
(1,136)	1:12:A:CYS:HB3	1:33:A:CYS:HB2	12	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	9	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	9	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	9	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	16	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	16	0.31
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	16	0.31
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	4	0.31
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	4	0.31
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	19	0.3
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	12	0.3
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	16	0.3
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	4	0.3
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	10	0.3
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	19	0.3
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	12	0.3
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	13	0.3
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	15	0.3
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	19	0.3
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	12	0.3
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	16	0.3
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	10	0.3
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	19	0.3
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	12	0.3
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	13	0.3
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	15	0.3
(1,748)	1:33:A:CYS:HB3	1:37:A:CYS:H	7	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	6	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	6	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	6	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	8	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	8	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	8	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	12	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	12	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	12	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	18	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	18	0.3
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	18	0.3
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	4	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	5	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	5	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	14	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	14	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	18	0.3
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	18	0.3
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	3	0.3
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	3	0.3
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	5	0.3
(1,656)	1:4:A:SER:HB3	1:5:A:ASP:H	11	0.3
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	7	0.3
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	3	0.3
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	13	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	15	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	15	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	15	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	18	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	18	0.3
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	18	0.3
(1,487)	1:24:A:ARG:HB3	1:25:A:ASN:H	7	0.3
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	3	0.3
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	3	0.3
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	5	0.3
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	17	0.3
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	17	0.3
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB2	19	0.3
(1,466)	1:28:A:LYS:H	1:28:A:LYS:HB3	19	0.3
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	8	0.3
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	11	0.3
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	16	0.3
(1,437)	1:25:A:ASN:H	1:27:A:VAL:H	2	0.3
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	1	0.3
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	8	0.3
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	8	0.3
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	8	0.3
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	1	0.3
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	18	0.3
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	20	0.3
(1,404)	1:24:A:ARG:HA	1:27:A:VAL:H	18	0.3
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	19	0.3
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	2	0.3
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	17	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	14	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	14	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	14	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	19	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	19	0.3
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	19	0.3
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	8	0.3
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	1	0.3
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	4	0.3
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	9	0.3
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD11	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD12	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD13	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD21	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD22	20	0.3
(1,338)	1:39:A:LEU:HA	1:39:A:LEU:HD23	20	0.3
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	19	0.3
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	19	0.3
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	2	0.3
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	19	0.3
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	1	0.3
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	1	0.3
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	2	0.3
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	18	0.3
(1,262)	1:24:A:ARG:HA	1:24:A:ARG:HG2	15	0.3
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	1	0.3
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	14	0.3
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	8	0.3
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	9	0.3
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	9	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	1	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	2	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	4	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	5	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	6	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	7	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	8	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	9	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	10	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	11	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	12	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	13	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	14	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	15	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	17	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	19	0.3
(1,221)	1:25:A:ASN:HA	1:25:A:ASN:HB3	20	0.3
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	10	0.3
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	14	0.3
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	1	0.3
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	4	0.3
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	19	0.3
(1,187)	1:27:A:VAL:H	1:28:A:LYS:H	20	0.3
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	10	0.3
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	4	0.3
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	4	0.3
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	16	0.3
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	16	0.3
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	17	0.3
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	17	0.3
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	11	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	1	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	1	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	11	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	11	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	11	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	18	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	18	0.3
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	18	0.3
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	4	0.29
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	7	0.29
(1,870)	1:28:A:LYS:O	1:32:A:ASN:N	8	0.29
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	2	0.29
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	18	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	1	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	2	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	5	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	16	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	17	0.29
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	18	0.29
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	6	0.29
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	19	0.29
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	15	0.29
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	4	0.29
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	7	0.29
(1,789)	1:28:A:LYS:O	1:32:A:ASN:N	8	0.29
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	2	0.29
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	18	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	1	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	2	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	5	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	16	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	17	0.29
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	18	0.29
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	6	0.29
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	19	0.29
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	15	0.29
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	7	0.29
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	7	0.29
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	7	0.29
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	5	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	6	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	7	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	7	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	13	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	13	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	16	0.29
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	16	0.29
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	9	0.29
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	19	0.29
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	8	0.29
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	9	0.29
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	11	0.29
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	12	0.29
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	16	0.29
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	18	0.29
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	19	0.29
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	13	0.29
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	13	0.29
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	13	0.29
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	13	0.29
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	13	0.29
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	13	0.29
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	2	0.29
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	5	0.29
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	5	0.29
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	5	0.29
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	5	0.29
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	7	0.29
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	8	0.29
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	15	0.29
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD1	12	0.29
(1,503)	1:14:A:SER:H	1:15:A:PHE:HD2	12	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	1	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	1	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	1	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	3	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	3	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	3	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	11	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	11	0.29
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	11	0.29
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	19	0.29
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	19	0.29
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	13	0.29
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	7	0.29
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	20	0.29
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	17	0.29
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	4	0.29
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	4	0.29
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	4	0.29
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	5	0.29
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	9	0.29
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	12	0.29
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	15	0.29
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	12	0.29
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	11	0.29
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	16	0.29
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	20	0.29
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	8	0.29
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	8	0.29
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	8	0.29
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	12	0.29
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	12	0.29
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	12	0.29
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	3	0.29
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	14	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	2	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	9	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	10	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	12	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	16	0.29
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	18	0.29
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	5	0.29
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	5	0.29
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	18	0.29
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	18	0.29
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	6	0.29
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	13	0.29
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	17	0.29
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	20	0.29
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	20	0.29
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	20	0.29
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	9	0.29
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	17	0.29
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	17	0.29
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	8	0.29
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	8	0.29
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	3	0.29
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	3	0.29
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	13	0.29
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	13	0.29
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	20	0.29
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	19	0.29
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	2	0.29
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	6	0.29
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	8	0.29
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	1	0.29
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	11	0.29
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	14	0.29
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	1	0.29
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	12	0.29
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	13	0.29
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	13	0.29
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	15	0.29
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	15	0.29
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB2	18	0.29
(1,163)	1:32:A:ASN:H	1:32:A:ASN:HB3	18	0.29
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	19	0.29
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	19	0.29
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	12	0.29
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	16	0.29
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	18	0.29
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD11	12	0.29
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD12	12	0.29
(1,107)	1:39:A:LEU:H	1:39:A:LEU:HD13	12	0.29
(1,36)	1:30:A:ARG:HA	1:37:A:CYS:HB2	8	0.29
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	1	0.28
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	20	0.28
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	17	0.28
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	6	0.28
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	7	0.28
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	13	0.28
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	15	0.28
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	3	0.28
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:6:A:ARG:N	1:32:A:ASN:O	10	0.28
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	16	0.28
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	18	0.28
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	1	0.28
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	20	0.28
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	17	0.28
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	6	0.28
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	7	0.28
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	13	0.28
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	15	0.28
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	3	0.28
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	1	0.28
(1,765)	1:6:A:ARG:N	1:32:A:ASN:O	10	0.28
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	16	0.28
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	18	0.28
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	19	0.28
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG11	19	0.28
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG12	19	0.28
(1,718)	1:26:A:GLY:HA3	1:27:A:VAL:HG13	19	0.28
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	7	0.28
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	16	0.28
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	18	0.28
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	8	0.28
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	9	0.28
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	9	0.28
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	3	0.28
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	20	0.28
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	5	0.28
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	19	0.28
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	19	0.28
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	1	0.28
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	8	0.28
(1,589)	1:39:A:LEU:HG	1:40:A:CYS:H	14	0.28
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	2	0.28
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	5	0.28
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	9	0.28
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	6	0.28
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	4	0.28
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	7	0.28
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	7	0.28
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	7	0.28
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	9	0.28
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	9	0.28
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	13	0.28
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	13	0.28
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	15	0.28
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	15	0.28
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	7	0.28
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	19	0.28
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	20	0.28
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	20	0.28
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	20	0.28
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	7	0.28
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	11	0.28
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	10	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	1	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	3	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	4	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	5	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	6	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	7	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	8	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	9	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	10	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	12	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	13	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	14	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	15	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	18	0.28
(1,390)	1:4:A:SER:H	1:5:A:ASP:H	19	0.28
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	4	0.28
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	4	0.28
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	4	0.28
(1,366)	1:35:A:LYS:HA	1:35:A:LYS:HB2	19	0.28
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	5	0.28
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	15	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	1	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	4	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	6	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	11	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	13	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	14	0.28
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	19	0.28
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	5	0.28
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	5	0.28
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	13	0.28
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	13	0.28
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	2	0.28
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	10	0.28
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	15	0.28
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	10	0.28
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	10	0.28
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	10	0.28
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	17	0.28
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	17	0.28
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	17	0.28
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	6	0.28
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	6	0.28
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	20	0.28
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	20	0.28
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	5	0.28
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	4	0.28
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	9	0.28
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	15	0.28
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	1	0.28
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	14	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	1	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	1	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	12	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	12	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	16	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	16	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	18	0.28
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	18	0.28
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	15	0.28
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	15	0.28
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	19	0.28
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	19	0.28
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	3	0.28
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	4	0.28
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	13	0.28
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	20	0.28
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	3	0.28
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	13	0.28
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	15	0.28
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	20	0.28
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	17	0.28
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	1	0.28
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	2	0.28
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	17	0.28
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	8	0.28
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	9	0.28
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	18	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	3	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	3	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	4	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	4	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	7	0.28
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	7	0.28
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	8	0.28
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	20	0.28
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	20	0.28
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	20	0.28
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	20	0.28
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	18	0.28
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	18	0.28
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	3	0.28
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	3	0.28
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	5	0.28
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	5	0.28
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	5	0.28
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	8	0.28
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	2	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	3	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	5	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	8	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	12	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	18	0.27
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	20	0.27
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	3	0.27
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	9	0.27
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	11	0.27
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	14	0.27
(1,866)	1:26:A:GLY:O	1:30:A:ARG:N	20	0.27
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	16	0.27
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	9	0.27
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	11	0.27
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	8	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	2	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	3	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	5	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	8	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	12	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	18	0.27
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	20	0.27
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	3	0.27
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	9	0.27
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	11	0.27
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	14	0.27
(1,785)	1:26:A:GLY:O	1:30:A:ARG:N	20	0.27
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	7	0.27
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	16	0.27
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	9	0.27
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	11	0.27
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	8	0.27
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	11	0.27
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	11	0.27
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	1	0.27
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	11	0.27
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	3	0.27
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	19	0.27
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	4	0.27
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	1	0.27
(1,614)	1:16:A:LYS:H	1:16:A:LYS:HG2	17	0.27
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	8	0.27
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	16	0.27
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	15	0.27
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	15	0.27
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	15	0.27
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	15	0.27
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	15	0.27
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	15	0.27
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	4	0.27
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	2	0.27
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	3	0.27
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	6	0.27
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	6	0.27
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	6	0.27
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	2	0.27
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	2	0.27
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	5	0.27
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	2	0.27
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	4	0.27
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	2	0.27
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	2	0.27
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	2	0.27
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	6	0.27
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	18	0.27
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	18	0.27
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	13	0.27
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	13	0.27
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	13	0.27
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	2	0.27
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	2	0.27
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	2	0.27
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	11	0.27
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	11	0.27
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	11	0.27
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	17	0.27
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	2	0.27
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	3	0.27
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	5	0.27
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	17	0.27
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	6	0.27
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	6	0.27
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	7	0.27
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	7	0.27
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	17	0.27
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	16	0.27
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	16	0.27
(1,304)	1:11:A:ILE:HG21	1:14:A:SER:H	17	0.27
(1,304)	1:11:A:ILE:HG22	1:14:A:SER:H	17	0.27
(1,304)	1:11:A:ILE:HG23	1:14:A:SER:H	17	0.27
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	15	0.27
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	15	0.27
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	15	0.27
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	1	0.27
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	1	0.27
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	13	0.27
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	13	0.27
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	11	0.27
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	2	0.27
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	19	0.27
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	9	0.27
(1,243)	1:35:A:LYS:HA	1:40:A:CYS:H	11	0.27
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	19	0.27
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	11	0.27
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	17	0.27
(1,202)	1:19:A:CYS:HA	1:21:A:ASP:H	6	0.27
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	15	0.27
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	5	0.27
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	7	0.27
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	17	0.27
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	19	0.27
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	11	0.27
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	14	0.27
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	16	0.27
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	17	0.27
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	5	0.27
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	5	0.27
(1,121)	1:19:A:CYS:HB3	1:37:A:CYS:HB3	20	0.27
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	6	0.27
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	6	0.27
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	7	0.27
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	7	0.27
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	2	0.27
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	3	0.27
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	9	0.26
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	11	0.26
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	14	0.26
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	15	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	1	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	6	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	9	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	13	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	15	0.26
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	16	0.26
(1,869)	1:28:A:LYS:O	1:32:A:ASN:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	2	0.26
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	8	0.26
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	12	0.26
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	13	0.26
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	15	0.26
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	10	0.26
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	9	0.26
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	11	0.26
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	14	0.26
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	15	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	1	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	6	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	9	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	13	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	15	0.26
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	16	0.26
(1,788)	1:28:A:LYS:O	1:32:A:ASN:H	8	0.26
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	2	0.26
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	8	0.26
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	12	0.26
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	13	0.26
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	15	0.26
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	10	0.26
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	5	0.26
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	15	0.26
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	19	0.26
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	20	0.26
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB2	12	0.26
(1,695)	1:15:A:PHE:HB2	1:16:A:LYS:HB3	12	0.26
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	6	0.26
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	14	0.26
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	17	0.26
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	17	0.26
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	10	0.26
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	10	0.26
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	10	0.26
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	3	0.26
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	19	0.26
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	14	0.26
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	7	0.26
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	19	0.26
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	1	0.26
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	1	0.26
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	1	0.26
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	1	0.26
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	1	0.26
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	10	0.26
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	17	0.26
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	17	0.26
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	6	0.26
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB1	20	0.26
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB2	20	0.26
(1,495)	1:6:A:ARG:HD3	1:7:A:ALA:HB3	20	0.26
(1,487)	1:24:A:ARG:HB3	1:25:A:ASN:H	2	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	10	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	10	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	10	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	10	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	10	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	10	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD21	19	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD22	19	0.26
(1,479)	1:38:A:GLY:HA2	1:39:A:LEU:HD23	19	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD21	19	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD22	19	0.26
(1,479)	1:38:A:GLY:HA3	1:39:A:LEU:HD23	19	0.26
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	20	0.26
(1,447)	1:11:A:ILE:HD11	1:12:A:CYS:H	4	0.26
(1,447)	1:11:A:ILE:HD12	1:12:A:CYS:H	4	0.26
(1,447)	1:11:A:ILE:HD13	1:12:A:CYS:H	4	0.26
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	8	0.26
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	1	0.26
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	10	0.26
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	17	0.26
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	1	0.26
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	1	0.26
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	1	0.26
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	17	0.26
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	17	0.26
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	20	0.26
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	5	0.26
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	7	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	1	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	1	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	10	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	10	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	10	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	12	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	12	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	12	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	15	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	15	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	15	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	17	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	17	0.26
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	17	0.26
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	9	0.26
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	9	0.26
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	9	0.26
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	13	0.26
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	13	0.26
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	13	0.26
(1,374)	1:35:A:LYS:H	1:35:A:LYS:HD3	19	0.26
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	2	0.26
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	6	0.26
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	18	0.26
(1,340)	1:12:A:CYS:H	1:12:A:CYS:HB2	7	0.26
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	18	0.26
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	18	0.26
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	3	0.26
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	19	0.26
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD2	12	0.26
(1,315)	1:24:A:ARG:HB2	1:24:A:ARG:HD3	12	0.26
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD2	12	0.26
(1,315)	1:24:A:ARG:HB3	1:24:A:ARG:HD3	12	0.26
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	2	0.26
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	16	0.26
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	8	0.26
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	8	0.26
(1,306)	1:28:A:LYS:HA	1:30:A:ARG:H	4	0.26
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	2	0.26
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	2	0.26
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	2	0.26
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	7	0.26
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	7	0.26
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	19	0.26
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	13	0.26
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	13	0.26
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	6	0.26
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	7	0.26
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	13	0.26
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	19	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	1	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	1	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	9	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	9	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	11	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	11	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB2	14	0.26
(1,224)	1:25:A:ASN:HA	1:28:A:LYS:HB3	14	0.26
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	5	0.26
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	6	0.26
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	9	0.26
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	15	0.26
(1,189)	1:18:A:PHE:H	1:18:A:PHE:HB3	19	0.26
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	6	0.26
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	16	0.26
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	3	0.26
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	5	0.26
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	19	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	6	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	6	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	10	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	10	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	17	0.26
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	17	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	5	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	5	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	6	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	6	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	13	0.26
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	13	0.26
(1,143)	1:14:A:SER:H	1:15:A:PHE:H	7	0.26
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	6	0.26
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	13	0.26
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	13	0.26
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	14	0.26
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	14	0.26
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	15	0.26
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	15	0.26
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	10	0.26
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	10	0.26
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	10	0.25
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	17	0.25
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	10	0.25
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	11	0.25
(1,871)	1:29:A:LEU:O	1:33:A:CYS:H	14	0.25
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	4	0.25
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	12	0.25
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	12	0.25
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	18	0.25
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	8	0.25
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	18	0.25
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	14	0.25
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	17	0.25
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	2	0.25
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	10	0.25
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	10	0.25
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	17	0.25
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	10	0.25
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	11	0.25
(1,790)	1:29:A:LEU:O	1:33:A:CYS:H	14	0.25
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	4	0.25
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	12	0.25
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	12	0.25
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	18	0.25
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	8	0.25
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	18	0.25
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	14	0.25
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	17	0.25
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	2	0.25
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	2	0.25
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	3	0.25
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	6	0.25
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	6	0.25
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	3	0.25
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	7	0.25
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	16	0.25
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	16	0.25
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	18	0.25
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	18	0.25
(1,685)	1:5:A:ASP:HB3	1:34:A:LYS:H	19	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	8	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	8	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	8	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	9	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	9	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	9	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	20	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	20	0.25
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	20	0.25
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	1	0.25
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	12	0.25
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	13	0.25
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	3	0.25
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	6	0.25
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	11	0.25
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	3	0.25
(1,548)	1:19:A:CYS:HB3	1:20:A:LYS:H	2	0.25
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	10	0.25
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	20	0.25
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	10	0.25
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	19	0.25
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	16	0.25
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	14	0.25
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	14	0.25
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	14	0.25
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	2	0.25
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	3	0.25
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	13	0.25
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	15	0.25
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	17	0.25
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	4	0.25
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	4	0.25
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG2	7	0.25
(1,469)	1:4:A:SER:HA	1:35:A:LYS:HG3	7	0.25
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	17	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	3	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	9	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	11	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	13	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	14	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	15	0.25
(1,435)	1:25:A:ASN:H	1:26:A:GLY:H	16	0.25
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	3	0.25
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	14	0.25
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	11	0.25
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	1	0.25
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	1	0.25
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	1	0.25
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	20	0.25
(1,365)	1:35:A:LYS:HB2	1:36:A:THR:H	20	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	1	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	1	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	8	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	8	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	9	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	9	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	11	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	11	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	12	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	12	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	14	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	14	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	16	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	16	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	18	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	18	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG2	20	0.25
(1,363)	1:35:A:LYS:HB2	1:35:A:LYS:HG3	20	0.25
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	13	0.25
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	7	0.25
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	9	0.25
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	9	0.25
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	4	0.25
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	15	0.25
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	16	0.25
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	3	0.25
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	7	0.25
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	3	0.25
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	12	0.25
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	20	0.25
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	20	0.25
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	1	0.25
(1,237)	1:11:A:ILE:H	1:11:A:ILE:HG13	17	0.25
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	4	0.25
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	3	0.25
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	7	0.25
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	14	0.25
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	4	0.25
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	10	0.25
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	18	0.25
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	4	0.25
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	6	0.25
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	13	0.25
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	15	0.25
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG2	2	0.25
(1,171)	1:35:A:LYS:HA	1:35:A:LYS:HG3	2	0.25
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	4	0.25
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	12	0.25
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	3	0.25
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	3	0.25
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	7	0.25
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	7	0.25
(1,151)	1:24:A:ARG:HA	1:26:A:GLY:H	19	0.25
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	12	0.25
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	5	0.25
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	6	0.25
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	6	0.25
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	6	0.25
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	6	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	1	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	1	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	9	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	9	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	11	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	11	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	17	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	19	0.25
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	19	0.25
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	12	0.25
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	13	0.24
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	8	0.24
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	10	0.24
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	19	0.24
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	10	0.24
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	16	0.24
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	18	0.24
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	5	0.24
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	16	0.24
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	18	0.24
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	13	0.24
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	8	0.24
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	10	0.24
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	19	0.24
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	10	0.24
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	16	0.24
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	18	0.24
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	5	0.24
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	16	0.24
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	18	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	4	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	5	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	6	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	7	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	13	0.24
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	15	0.24
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	7	0.24
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	20	0.24
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	7	0.24
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	13	0.24
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	17	0.24
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	1	0.24
(1,705)	1:13:A:GLU:H	1:14:A:SER:H	17	0.24
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	17	0.24
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	11	0.24
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	11	0.24
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	12	0.24
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	12	0.24
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	15	0.24
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	19	0.24
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	7	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	1	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	1	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	1	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	4	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	4	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	4	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	7	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	7	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	7	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	12	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	12	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	12	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	17	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	17	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	17	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ1	19	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ2	19	0.24
(1,659)	1:34:A:LYS:HG2	1:34:A:LYS:HZ3	19	0.24
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	4	0.24
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	3	0.24
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	16	0.24
(1,620)	1:25:A:ASN:H	1:25:A:ASN:HB2	18	0.24
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	5	0.24
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	3	0.24
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	17	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	4	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	5	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	6	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	8	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	12	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	13	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	14	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	16	0.24
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	19	0.24
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	18	0.24
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	10	0.24
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	15	0.24
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	5	0.24
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	1	0.24
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	8	0.24
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	19	0.24
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	1	0.24
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	11	0.24
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	14	0.24
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	20	0.24
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	16	0.24
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	16	0.24
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	16	0.24
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	4	0.24
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	6	0.24
(1,450)	1:11:A:ILE:HD11	1:15:A:PHE:HD1	17	0.24
(1,450)	1:11:A:ILE:HD11	1:15:A:PHE:HD2	17	0.24
(1,450)	1:11:A:ILE:HD12	1:15:A:PHE:HD1	17	0.24
(1,450)	1:11:A:ILE:HD12	1:15:A:PHE:HD2	17	0.24
(1,450)	1:11:A:ILE:HD13	1:15:A:PHE:HD1	17	0.24
(1,450)	1:11:A:ILE:HD13	1:15:A:PHE:HD2	17	0.24
(1,441)	1:24:A:ARG:HG3	1:25:A:ASN:H	18	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	7	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	7	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	9	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	9	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	14	0.24
(1,427)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	14	0.24
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	16	0.24
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	16	0.24
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	16	0.24
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	4	0.24
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	4	0.24
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	4	0.24
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	1	0.24
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	9	0.24
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	11	0.24
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	14	0.24
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	12	0.24
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	16	0.24
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	19	0.24
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	1	0.24
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	5	0.24
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	6	0.24
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	13	0.24
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	18	0.24
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	18	0.24
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	13	0.24
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	13	0.24
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	13	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	10	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	10	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	10	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	14	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	14	0.24
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	14	0.24
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	5	0.24
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	6	0.24
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	17	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	1	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	3	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	5	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	6	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	7	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	9	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	11	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	13	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	14	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	15	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	17	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	19	0.24
(1,268)	1:28:A:LYS:HG3	1:29:A:LEU:H	20	0.24
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	9	0.24
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	9	0.24
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	5	0.24
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	5	0.24
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	7	0.24
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	17	0.24
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	12	0.24
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	18	0.24
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	1	0.24
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	10	0.24
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	19	0.24
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	18	0.24
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	18	0.24
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	8	0.24
(1,184)	1:26:A:GLY:H	1:27:A:VAL:H	12	0.24
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	2	0.24
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	5	0.24
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	2	0.24
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	10	0.24
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	1	0.24
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	1	0.24
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	4	0.24
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	8	0.24
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	19	0.24
(1,31)	1:24:A:ARG:HG2	1:25:A:ASN:HD21	1	0.24
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	7	0.24
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	13	0.24
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	2	0.24
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	2	0.24
(1,880)	1:34:A:LYS:O	1:39:A:LEU:N	10	0.23
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	6	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	1	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	2	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	5	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	6	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	13	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	15	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	17	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	18	0.23
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	4	0.23
(1,862)	1:24:A:ARG:O	1:28:A:LYS:N	6	0.23
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	2	0.23
(1,799)	1:34:A:LYS:O	1:39:A:LEU:N	10	0.23
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	6	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	1	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	2	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	5	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	6	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	13	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	15	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	17	0.23
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	18	0.23
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	4	0.23
(1,781)	1:24:A:ARG:O	1:28:A:LYS:N	6	0.23
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	2	0.23
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	3	0.23
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	17	0.23
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	20	0.23
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	13	0.23
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	8	0.23
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	20	0.23
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	4	0.23
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	6	0.23
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	10	0.23
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	12	0.23
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	13	0.23
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	2	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	1	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	2	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	3	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	7	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	9	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	10	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	11	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	15	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	17	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	18	0.23
(1,590)	1:8:A:HIS:H	1:8:A:HIS:HB3	20	0.23
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	9	0.23
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	13	0.23
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	2	0.23
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	9	0.23
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	11	0.23
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	11	0.23
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	11	0.23
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	11	0.23
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	11	0.23
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	6	0.23
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	7	0.23
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	13	0.23
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	5	0.23
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	6	0.23
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	13	0.23
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	17	0.23
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	10	0.23
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	17	0.23
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	3	0.23
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	4	0.23
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	18	0.23
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	19	0.23
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	15	0.23
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	17	0.23
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	9	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	12	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	12	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	12	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	18	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	18	0.23
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	18	0.23
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	5	0.23
(1,475)	1:4:A:SER:HA	1:35:A:LYS:HB3	7	0.23
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	7	0.23
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	3	0.23
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	3	0.23
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	3	0.23
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	1	0.23
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	20	0.23
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	10	0.23
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	16	0.23
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	9	0.23
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	3	0.23
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	15	0.23
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	15	0.23
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	15	0.23
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	20	0.23
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	20	0.23
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	2	0.23
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	2	0.23
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	2	0.23
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	12	0.23
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	16	0.23
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	18	0.23
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	8	0.23
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	3	0.23
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	5	0.23
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	12	0.23
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	12	0.23
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	14	0.23
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	14	0.23
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	11	0.23
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	18	0.23
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	2	0.23
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	2	0.23
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	12	0.23
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	12	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	9	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	9	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	9	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	16	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	16	0.23
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	16	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	1	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	1	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	5	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	5	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	7	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	7	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	19	0.23
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	19	0.23
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	8	0.23
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	8	0.23
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	13	0.23
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	6	0.23
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	8	0.23
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	18	0.23
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	2	0.23
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	20	0.23
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	4	0.23
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	13	0.23
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	16	0.23
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	18	0.23
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	3	0.23
(1,173)	1:37:A:CYS:H	1:37:A:CYS:HB3	7	0.23
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	15	0.23
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	8	0.23
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	16	0.23
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	18	0.23
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	15	0.23
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	15	0.23
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	19	0.23
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	11	0.23
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	16	0.23
(1,115)	1:13:A:GLU:H	1:13:A:GLU:HG3	11	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	1	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	2	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	7	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	9	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	10	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	11	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	13	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	14	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	15	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	17	0.23
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	20	0.23
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	16	0.23
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	16	0.23
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	16	0.23
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	3	0.22
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	7	0.22
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	16	0.22
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	20	0.22
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	5	0.22
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	6	0.22
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	12	0.22
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	19	0.22
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	8	0.22
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	12	0.22
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	2	0.22
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	7	0.22
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	16	0.22
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	20	0.22
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	5	0.22
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	6	0.22
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	12	0.22
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	19	0.22
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	8	0.22
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	12	0.22
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	20	0.22
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	17	0.22
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	19	0.22
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	4	0.22
(1,706)	1:13:A:GLU:H	1:13:A:GLU:HG2	17	0.22
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	5	0.22
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	6	0.22
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	1	0.22
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	2	0.22
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	3	0.22
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	4	0.22
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	5	0.22
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	6	0.22
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	10	0.22
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	8	0.22
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	12	0.22
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	6	0.22
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	14	0.22
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	14	0.22
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	14	0.22
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	14	0.22
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	14	0.22
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	14	0.22
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	3	0.22
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	15	0.22
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	8	0.22
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	15	0.22
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	16	0.22
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	14	0.22
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	18	0.22
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	10	0.22
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	8	0.22
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	6	0.22
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	6	0.22
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	6	0.22
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	18	0.22
(1,405)	1:24:A:ARG:HA	1:24:A:ARG:HE	15	0.22
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG21	18	0.22
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG22	18	0.22
(1,378)	1:33:A:CYS:HB2	1:36:A:THR:HG23	18	0.22
(1,372)	1:35:A:LYS:HB2	1:35:A:LYS:HD3	8	0.22
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	11	0.22
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	11	0.22
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	8	0.22
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	9	0.22
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	12	0.22
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	16	0.22
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	5	0.22
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	5	0.22
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	5	0.22
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	11	0.22
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	11	0.22
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	11	0.22
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	15	0.22
(1,282)	1:3:A:CYS:H	1:3:A:CYS:HB3	20	0.22
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	1	0.22
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	12	0.22
(1,270)	1:6:A:ARG:HA	1:6:A:ARG:HE	16	0.22
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	7	0.22
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	7	0.22
(1,250)	1:28:A:LYS:HG3	1:32:A:ASN:HD22	17	0.22
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	2	0.22
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	11	0.22
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	11	0.22
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	5	0.22
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	6	0.22
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	8	0.22
(1,207)	1:34:A:LYS:H	1:34:A:LYS:HB2	12	0.22
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	12	0.22
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	12	0.22
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	18	0.22
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	1	0.22
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	1	0.22
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	1	0.22
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	4	0.22
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	6	0.22
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	3	0.21
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	16	0.21
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	18	0.21
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	10	0.21
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	9	0.21
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	11	0.21
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	3	0.21
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	7	0.21
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	13	0.21
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	17	0.21
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	5	0.21
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	4	0.21
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	14	0.21
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	5	0.21
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	3	0.21
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	16	0.21
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	18	0.21
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	10	0.21
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	9	0.21
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	11	0.21
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	3	0.21
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	7	0.21
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	13	0.21
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	17	0.21
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	5	0.21
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	4	0.21
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	14	0.21
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	1	0.21
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	9	0.21
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	12	0.21
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	14	0.21
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	1	0.21
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	9	0.21
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	10	0.21
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	15	0.21
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	7	0.21
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	7	0.21
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	8	0.21
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	16	0.21
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	5	0.21
(1,661)	1:24:A:ARG:H	1:24:A:ARG:HG3	10	0.21
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	17	0.21
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	19	0.21
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	19	0.21
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	19	0.21
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	16	0.21
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	18	0.21
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	7	0.21
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	12	0.21
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	2	0.21
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	3	0.21
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	15	0.21
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	2	0.21
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	2	0.21
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	4	0.21
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	6	0.21
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	19	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	2	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	2	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	2	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	3	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	3	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	3	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	19	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	19	0.21
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	19	0.21
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	20	0.21
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	4	0.21
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	14	0.21
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	2	0.21
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	12	0.21
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD21	8	0.21
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD22	8	0.21
(1,480)	1:37:A:CYS:HB3	1:39:A:LEU:HD23	8	0.21
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	14	0.21
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	18	0.21
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	5	0.21
(1,429)	1:13:A:GLU:HA	1:13:A:GLU:HG3	4	0.21
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	11	0.21
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	16	0.21
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	1	0.21
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	18	0.21
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	18	0.21
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	18	0.21
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	1	0.21
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	9	0.21
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	11	0.21
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	20	0.21
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	20	0.21
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	20	0.21
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	20	0.21
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	10	0.21
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	3	0.21
(1,321)	1:36:A:THR:HB	1:38:A:GLY:H	14	0.21
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	3	0.21
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	3	0.21
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	3	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	6	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	6	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	6	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	20	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	20	0.21
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	20	0.21
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	18	0.21
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	18	0.21
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	3	0.21
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	14	0.21
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	17	0.21
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	5	0.21
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	5	0.21
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	5	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	1	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	6	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	7	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	10	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	13	0.21
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	15	0.21
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	1	0.21
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	7	0.21
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	8	0.21
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:33:A:CYS:HB3	1:37:A:CYS:H	7	0.21
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	14	0.21
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	14	0.21
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	20	0.21
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	20	0.21
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB2	20	0.21
(1,38)	1:30:A:ARG:HD3	1:37:A:CYS:HB3	20	0.21
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	16	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	3	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	3	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	6	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	6	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	15	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	15	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	17	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	17	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	19	0.21
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	19	0.21
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	2	0.2
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	5	0.2
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	8	0.2
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	12	0.2
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	19	0.2
(1,865)	1:26:A:GLY:O	1:30:A:ARG:H	14	0.2
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	15	0.2
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	19	0.2
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	2	0.2
(1,860)	1:23:A:GLY:O	1:27:A:VAL:N	6	0.2
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	6	0.2
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	9	0.2
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	12	0.2
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	17	0.2
(1,852)	1:13:A:GLU:O	1:16:A:LYS:N	1	0.2
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	8	0.2
(1,845)	1:6:A:ARG:H	1:32:A:ASN:O	10	0.2
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	3	0.2
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	7	0.2
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	8	0.2
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	2	0.2
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	5	0.2
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	8	0.2
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	19	0.2
(1,784)	1:26:A:GLY:O	1:30:A:ARG:H	14	0.2
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	15	0.2
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	19	0.2
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	2	0.2
(1,779)	1:23:A:GLY:O	1:27:A:VAL:N	6	0.2
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	6	0.2
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	9	0.2
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	12	0.2
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	17	0.2
(1,771)	1:13:A:GLU:O	1:16:A:LYS:N	1	0.2
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	8	0.2
(1,764)	1:6:A:ARG:H	1:32:A:ASN:O	10	0.2
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	8	0.2
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	10	0.2
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	11	0.2
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	16	0.2
(1,734)	1:5:A:ASP:H	1:5:A:ASP:HB3	18	0.2
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	3	0.2
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	10	0.2
(1,699)	1:12:A:CYS:HB3	1:13:A:GLU:H	2	0.2
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB2	5	0.2
(1,691)	1:15:A:PHE:H	1:16:A:LYS:HB3	5	0.2
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	7	0.2
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	15	0.2
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	4	0.2
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	7	0.2
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	2	0.2
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	3	0.2
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	5	0.2
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	6	0.2
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	18	0.2
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	1	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	3	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	3	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	3	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	4	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	4	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	4	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	6	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	6	0.2
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	7	0.2
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	7	0.2
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	7	0.2
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	7	0.2
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	7	0.2
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	7	0.2
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	12	0.2
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	12	0.2
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	12	0.2
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	12	0.2
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	12	0.2
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	12	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	3	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	4	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	5	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	6	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	7	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	8	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	9	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	10	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	11	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	12	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	13	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	14	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	15	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	16	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	17	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	18	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	19	0.2
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	20	0.2
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	3	0.2
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	5	0.2
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	11	0.2
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	13	0.2
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	6	0.2
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	11	0.2
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	15	0.2
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	2	0.2
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	3	0.2
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	5	0.2
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	5	0.2
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	7	0.2
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	7	0.2
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	7	0.2
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	16	0.2
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	17	0.2
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	20	0.2
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	8	0.2
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	8	0.2
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	8	0.2
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	14	0.2
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	14	0.2
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	14	0.2
(1,377)	1:36:A:THR:HG21	1:37:A:CYS:H	16	0.2
(1,377)	1:36:A:THR:HG22	1:37:A:CYS:H	16	0.2
(1,377)	1:36:A:THR:HG23	1:37:A:CYS:H	16	0.2
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	12	0.2
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	14	0.2
(1,357)	1:6:A:ARG:H	1:32:A:ASN:HA	10	0.2
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	2	0.2
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	11	0.2
(1,351)	1:20:A:LYS:H	1:20:A:LYS:HG3	12	0.2
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	16	0.2
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	16	0.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	4	0.2
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	4	0.2
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	6	0.2
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	6	0.2
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	6	0.2
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	6	0.2
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	13	0.2
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	16	0.2
(1,244)	1:35:A:LYS:HA	1:35:A:LYS:HD2	19	0.2
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	2	0.2
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	3	0.2
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	5	0.2
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	12	0.2
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	12	0.2
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	9	0.2
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	9	0.2
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	11	0.2
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	11	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	8	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	8	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	12	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	12	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	12	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	18	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	18	0.2
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	18	0.2
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	14	0.2
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	5	0.2
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	5	0.2
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	13	0.2
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	13	0.2
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	7	0.19
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	19	0.19
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	9	0.19
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	11	0.19
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	14	0.19
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	20	0.19
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	18	0.19
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	13	0.19
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	14	0.19
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	7	0.19
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	19	0.19
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	9	0.19
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	11	0.19
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	14	0.19
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	20	0.19
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	18	0.19
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	13	0.19
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	15	0.19
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	2	0.19
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	9	0.19
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	2	0.19
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	8	0.19
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	9	0.19
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	18	0.19
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	6	0.19
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	10	0.19
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	13	0.19
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	8	0.19
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	19	0.19
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	13	0.19
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	15	0.19
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	20	0.19
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	13	0.19
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	15	0.19
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	1	0.19
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	14	0.19
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	16	0.19
(1,587)	1:37:A:CYS:HB2	1:39:A:LEU:HG	1	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	10	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	10	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	10	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	15	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	15	0.19
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	15	0.19
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	17	0.19
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	19	0.19
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	19	0.19
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	19	0.19
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	19	0.19
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	19	0.19
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	19	0.19
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	8	0.19
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	18	0.19
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	18	0.19
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	18	0.19
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	18	0.19
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	18	0.19
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	18	0.19
(1,531)	1:26:A:GLY:HA2	1:27:A:VAL:HA	1	0.19
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	9	0.19
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	12	0.19
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	16	0.19
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	18	0.19
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	7	0.19
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	6	0.19
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	6	0.19
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	6	0.19
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	7	0.19
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	10	0.19
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	16	0.19
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	1	0.19
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	2	0.19
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	9	0.19
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	12	0.19
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	18	0.19
(1,439)	1:25:A:ASN:H	1:25:A:ASN:HD22	17	0.19
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	2	0.19
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	5	0.19
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	19	0.19
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	19	0.19
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	19	0.19
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	8	0.19
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	13	0.19
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	3	0.19
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	3	0.19
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	3	0.19
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	9	0.19
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	9	0.19
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	9	0.19
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	11	0.19
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	11	0.19
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	11	0.19
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	13	0.19
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	13	0.19
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	13	0.19
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	15	0.19
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	15	0.19
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	15	0.19
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	8	0.19
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	18	0.19
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	20	0.19
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	20	0.19
(1,310)	1:10:A:HIS:H	1:10:A:HIS:HD2	3	0.19
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	2	0.19
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	2	0.19
(1,308)	1:22:A:SER:HB3	1:23:A:GLY:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:22:A:SER:HB2	1:23:A:GLY:H	12	0.19
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD2	10	0.19
(1,307)	1:28:A:LYS:HA	1:28:A:LYS:HD3	10	0.19
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	13	0.19
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	13	0.19
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	13	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	1	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	9	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	11	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	14	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	15	0.19
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	20	0.19
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	16	0.19
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE2	14	0.19
(1,241)	1:35:A:LYS:HA	1:35:A:LYS:HE3	14	0.19
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	9	0.19
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	18	0.19
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	17	0.19
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	3	0.19
(1,223)	1:25:A:ASN:HA	1:25:A:ASN:HD22	18	0.19
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	1	0.19
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	17	0.19
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	19	0.19
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	2	0.19
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	11	0.19
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	4	0.19
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	4	0.19
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	3	0.19
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	16	0.19
(1,112)	1:25:A:ASN:H	1:25:A:ASN:HB3	18	0.19
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	3	0.19
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	3	0.19
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	3	0.19
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	3	0.19
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	2	0.19
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	2	0.19
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	4	0.19
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	4	0.19
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD2	7	0.19
(1,4)	1:4:A:SER:HA	1:35:A:LYS:HD3	7	0.19
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	7	0.18
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	6	0.18
(1,864)	1:25:A:ASN:O	1:29:A:LEU:N	1	0.18
(1,861)	1:24:A:ARG:O	1:28:A:LYS:H	6	0.18
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	19	0.18
(1,852)	1:13:A:GLU:O	1:16:A:LYS:N	17	0.18
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	6	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	6	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	13	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	15	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	16	0.18
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	20	0.18
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	7	0.18
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	20	0.18
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	6	0.18
(1,783)	1:25:A:ASN:O	1:29:A:LEU:N	1	0.18
(1,780)	1:24:A:ARG:O	1:28:A:LYS:H	6	0.18
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	19	0.18
(1,771)	1:13:A:GLU:O	1:16:A:LYS:N	17	0.18
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	6	0.18
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	12	0.18
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	16	0.18
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	18	0.18
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	11	0.18
(1,671)	1:29:A:LEU:HA	1:32:A:ASN:H	20	0.18
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	3	0.18
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	18	0.18
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	12	0.18
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	12	0.18
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	4	0.18
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	9	0.18
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	11	0.18
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ1	7	0.18
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ2	7	0.18
(1,584)	1:35:A:LYS:HB3	1:35:A:LYS:HZ3	7	0.18
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	16	0.18
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	16	0.18
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	16	0.18
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	16	0.18
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	16	0.18
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	16	0.18
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	4	0.18
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:15:A:PHE:HB2	1:16:A:LYS:H	14	0.18
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	4	0.18
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	4	0.18
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	4	0.18
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	12	0.18
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	4	0.18
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	13	0.18
(1,510)	1:9:A:GLY:HA3	1:10:A:HIS:H	17	0.18
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	1	0.18
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	11	0.18
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	8	0.18
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	10	0.18
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	16	0.18
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	9	0.18
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	8	0.18
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	10	0.18
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	15	0.18
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	18	0.18
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	19	0.18
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	10	0.18
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	10	0.18
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	10	0.18
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	17	0.18
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	17	0.18
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	17	0.18
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	20	0.18
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	20	0.18
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	20	0.18
(1,368)	1:35:A:LYS:H	1:35:A:LYS:HB2	16	0.18
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	8	0.18
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	1	0.18
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	1	0.18
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	13	0.18
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	13	0.18
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	18	0.18
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	18	0.18
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	18	0.18
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	19	0.18
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	5	0.18
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	11	0.18
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	11	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	5	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	6	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	7	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	13	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	17	0.18
(1,249)	1:28:A:LYS:HA	1:28:A:LYS:HG3	19	0.18
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	6	0.18
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	12	0.18
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	14	0.18
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	11	0.18
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	9	0.18
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	11	0.18
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	14	0.18
(1,203)	1:21:A:ASP:HB2	1:26:A:GLY:HA2	8	0.18
(1,203)	1:21:A:ASP:HB3	1:26:A:GLY:HA2	8	0.18
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	6	0.18
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	14	0.18
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	2	0.18
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	2	0.18
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	2	0.18
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	2	0.18
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	18	0.18
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	11	0.17
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	1	0.17
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	3	0.17
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	5	0.17
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	13	0.17
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	15	0.17
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	20	0.17
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	11	0.17
(1,852)	1:13:A:GLU:O	1:16:A:LYS:N	13	0.17
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	9	0.17
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	17	0.17
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	18	0.17
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	19	0.17
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	11	0.17
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	1	0.17
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	3	0.17
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	5	0.17
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	13	0.17
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	15	0.17
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	11	0.17
(1,771)	1:13:A:GLU:O	1:16:A:LYS:N	13	0.17
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	5	0.17
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	6	0.17
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	13	0.17
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	9	0.17
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	11	0.17
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	12	0.17
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	10	0.17
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	10	0.17
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	10	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	2	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	3	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	4	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	6	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	11	0.17
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	20	0.17
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	11	0.17
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	14	0.17
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	7	0.17
(1,602)	1:38:A:GLY:H	1:39:A:LEU:H	11	0.17
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	5	0.17
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	9	0.17
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	10	0.17
(1,555)	1:29:A:LEU:HD11	1:33:A:CYS:HB2	20	0.17
(1,555)	1:29:A:LEU:HD12	1:33:A:CYS:HB2	20	0.17
(1,555)	1:29:A:LEU:HD13	1:33:A:CYS:HB2	20	0.17
(1,555)	1:29:A:LEU:HD21	1:33:A:CYS:HB2	20	0.17
(1,555)	1:29:A:LEU:HD22	1:33:A:CYS:HB2	20	0.17
(1,555)	1:29:A:LEU:HD23	1:33:A:CYS:HB2	20	0.17
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	10	0.17
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	7	0.17
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	11	0.17
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	11	0.17
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	11	0.17
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	3	0.17
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	5	0.17
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	11	0.17
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	20	0.17
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	10	0.17
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	3	0.17
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	14	0.17
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	4	0.17
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	16	0.17
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	18	0.17
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	12	0.17
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	1	0.17
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	1	0.17
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	1	0.17
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	19	0.17
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	19	0.17
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	19	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	3	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	3	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	3	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	4	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	4	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	4	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	8	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	8	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	8	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	12	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	12	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	12	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	15	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	15	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	15	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	19	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	19	0.17
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	19	0.17
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	10	0.17
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	10	0.17
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	1	0.17
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	18	0.17
(1,279)	1:6:A:ARG:HG3	1:7:A:ALA:H	12	0.17
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	1	0.17
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	4	0.17
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	14	0.17
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	16	0.17
(1,229)	1:33:A:CYS:H	1:33:A:CYS:HB2	20	0.17
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	3	0.17
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	10	0.17
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	13	0.17
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	16	0.17
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	3	0.17
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	5	0.17
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	13	0.17
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	14	0.17
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	10	0.17
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	10	0.17
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	10	0.17
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	12	0.17
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	12	0.17
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	20	0.17
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	20	0.17
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	20	0.17
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	17	0.17
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	17	0.17
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	11	0.17
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	1	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	3	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	5	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	8	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	9	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	11	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	12	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	14	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	16	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	18	0.16
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	19	0.16
(1,876)	1:33:A:CYS:O	1:37:A:CYS:N	4	0.16
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	1	0.16
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	7	0.16
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	14	0.16
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	2	0.16
(1,859)	1:23:A:GLY:O	1:27:A:VAL:H	6	0.16
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	1	0.16
(1,847)	1:10:A:HIS:O	1:14:A:SER:H	6	0.16
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	4	0.16
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	10	0.16
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	11	0.16
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	20	0.16
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	3	0.16
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	13	0.16
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	15	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	1	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	3	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	5	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	8	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	9	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	11	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	12	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	14	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	16	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	18	0.16
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	19	0.16
(1,795)	1:33:A:CYS:O	1:37:A:CYS:N	4	0.16
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	1	0.16
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	7	0.16
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	14	0.16
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	2	0.16
(1,778)	1:23:A:GLY:O	1:27:A:VAL:H	6	0.16
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	1	0.16
(1,766)	1:10:A:HIS:O	1:14:A:SER:H	6	0.16
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	2	0.16
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	11	0.16
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	14	0.16
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	19	0.16
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	6	0.16
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	17	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	5	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	6	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	7	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	8	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	14	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	15	0.16
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	18	0.16
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	2	0.16
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	15	0.16
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	4	0.16
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	10	0.16
(1,644)	1:5:A:ASP:H	1:35:A:LYS:HB3	20	0.16
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	9	0.16
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	11	0.16
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	4	0.16
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	1	0.16
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	17	0.16
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	17	0.16
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	17	0.16
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	17	0.16
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	17	0.16
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	17	0.16
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	20	0.16
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	20	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	9	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	9	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	13	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	13	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	20	0.16
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	20	0.16
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	12	0.16
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	12	0.16
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	12	0.16
(1,521)	1:14:A:SER:HA	1:16:A:LYS:H	13	0.16
(1,514)	1:10:A:HIS:H	1:10:A:HIS:HB3	13	0.16
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	4	0.16
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	3	0.16
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	7	0.16
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	15	0.16
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	15	0.16
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	3	0.16
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	11	0.16
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	2	0.16
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	5	0.16
(1,395)	1:17:A:SER:HB2	1:18:A:PHE:H	5	0.16
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	1	0.16
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	1	0.16
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	1	0.16
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	4	0.16
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	4	0.16
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	14	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	2	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	2	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	2	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	5	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	5	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	5	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG21	7	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG22	7	0.16
(1,300)	1:10:A:HIS:H	1:11:A:ILE:HG23	7	0.16
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	17	0.16
(1,292)	1:22:A:SER:HA	1:23:A:GLY:H	20	0.16
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	6	0.16
(1,261)	1:6:A:ARG:H	1:34:A:LYS:H	19	0.16
(1,251)	1:36:A:THR:HA	1:38:A:GLY:H	10	0.16
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	18	0.16
(1,246)	1:24:A:ARG:HA	1:27:A:VAL:HB	20	0.16
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	17	0.16
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	15	0.16
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	19	0.16
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	6	0.16
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	1	0.16
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	1	0.16
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	9	0.16
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	15	0.16
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	1	0.15
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	7	0.15
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	9	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	2	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	6	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	10	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	13	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	15	0.15
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	17	0.15
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	8	0.15
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	12	0.15
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	14	0.15
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	18	0.15
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	9	0.15
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	11	0.15
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	17	0.15
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	20	0.15
(1,848)	1:10:A:HIS:O	1:14:A:SER:N	17	0.15
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	4	0.15
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	8	0.15
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	20	0.15
(1,805)	1:12:A:CYS:CB	1:33:A:CYS:SG	12	0.15
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	2	0.15
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	4	0.15
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	5	0.15
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	6	0.15
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	7	0.15
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	1	0.15
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	7	0.15
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	9	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	2	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	6	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	10	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	13	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	15	0.15
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	17	0.15
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	8	0.15
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	12	0.15
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	14	0.15
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	18	0.15
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	9	0.15
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	11	0.15
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	17	0.15
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	8	0.15
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	20	0.15
(1,767)	1:10:A:HIS:O	1:14:A:SER:N	17	0.15
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	4	0.15
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	8	0.15
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	16	0.15
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	15	0.15
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	4	0.15
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	9	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	5	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	6	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	7	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	13	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	15	0.15
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	9	0.15
(1,608)	1:12:A:CYS:HA	1:15:A:PHE:H	9	0.15
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	1	0.15
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	5	0.15
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	7	0.15
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	6	0.15
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	5	0.15
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	5	0.15
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	5	0.15
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	5	0.15
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	5	0.15
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	5	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	1	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	2	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	3	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	5	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	7	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	8	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	9	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	10	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	11	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	12	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	14	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	15	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	16	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	17	0.15
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	18	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	6	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	6	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	12	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	12	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	14	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	14	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	15	0.15
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	15	0.15
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	9	0.15
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	9	0.15
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	9	0.15
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	9	0.15
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	14	0.15
(1,485)	1:39:A:LEU:H	1:39:A:LEU:HD21	20	0.15
(1,485)	1:39:A:LEU:H	1:39:A:LEU:HD22	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:39:A:LEU:H	1:39:A:LEU:HD23	20	0.15
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	1	0.15
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	10	0.15
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	12	0.15
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	13	0.15
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	5	0.15
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	13	0.15
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	14	0.15
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	15	0.15
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	6	0.15
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	12	0.15
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	19	0.15
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	4	0.15
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	14	0.15
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	14	0.15
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	14	0.15
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	17	0.15
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	17	0.15
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	17	0.15
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	17	0.15
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	1	0.15
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	1	0.15
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	1	0.15
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD2	3	0.15
(1,298)	1:20:A:LYS:HA	1:20:A:LYS:HD3	3	0.15
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	16	0.15
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	20	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	3	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	9	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	10	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	11	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	13	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	15	0.15
(1,245)	1:27:A:VAL:H	1:27:A:VAL:HB	20	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	3	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	4	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	5	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	6	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	7	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	13	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	15	0.15
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	19	0.15
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	7	0.15
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	9	0.15
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	16	0.15
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	10	0.15
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	10	0.15
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	10	0.15
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE2	17	0.15
(1,95)	1:28:A:LYS:HB2	1:28:A:LYS:HE3	17	0.15
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE2	17	0.15
(1,95)	1:28:A:LYS:HB3	1:28:A:LYS:HE3	17	0.15
(1,40)	1:3:A:CYS:SG	1:40:A:CYS:SG	10	0.15
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	5	0.15
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	5	0.15
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	20	0.15
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	3	0.14
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	5	0.14
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	17	0.14
(1,877)	1:35:A:LYS:O	1:38:A:GLY:H	4	0.14
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	17	0.14
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	1	0.14
(1,874)	1:5:A:ASP:OD1	1:36:A:THR:N	16	0.14
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	4	0.14
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	12	0.14
(1,852)	1:13:A:GLU:O	1:16:A:LYS:N	15	0.14
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	1	0.14
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	6	0.14
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	10	0.14
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	16	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	1	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	8	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	9	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	11	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	12	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	14	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	16	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	17	0.14
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	18	0.14
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	3	0.14
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	5	0.14
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	17	0.14
(1,796)	1:35:A:LYS:O	1:38:A:GLY:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	17	0.14
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	1	0.14
(1,793)	1:5:A:ASP:OD1	1:36:A:THR:N	16	0.14
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	4	0.14
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	12	0.14
(1,771)	1:13:A:GLU:O	1:16:A:LYS:N	15	0.14
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	12	0.14
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	14	0.14
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	16	0.14
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	12	0.14
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	15	0.14
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	10	0.14
(1,655)	1:4:A:SER:H	1:4:A:SER:HB3	20	0.14
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	1	0.14
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	20	0.14
(1,645)	1:35:A:LYS:H	1:35:A:LYS:HB3	2	0.14
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	4	0.14
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	16	0.14
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	20	0.14
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	18	0.14
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	14	0.14
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	13	0.14
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	1	0.14
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	3	0.14
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	9	0.14
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	20	0.14
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	20	0.14
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	20	0.14
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	20	0.14
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	20	0.14
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	4	0.14
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	6	0.14
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	13	0.14
(1,543)	1:30:A:ARG:HD2	1:30:A:ARG:HE	19	0.14
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	12	0.14
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	8	0.14
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	8	0.14
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	11	0.14
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	11	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	16	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	16	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	16	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	18	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	18	0.14
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	18	0.14
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	11	0.14
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	12	0.14
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	16	0.14
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	6	0.14
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	7	0.14
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	6	0.14
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	17	0.14
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	20	0.14
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	15	0.14
(1,423)	1:3:A:CYS:H	1:3:A:CYS:HB2	3	0.14
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	7	0.14
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	1	0.14
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	10	0.14
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	19	0.14
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	19	0.14
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	19	0.14
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	19	0.14
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	15	0.14
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	16	0.14
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	20	0.14
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB2	2	0.14
(1,337)	1:20:A:LYS:H	1:21:A:ASP:HB3	2	0.14
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	9	0.14
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	14	0.14
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	14	0.14
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	12	0.14
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	12	0.14
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	12	0.14
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE2	15	0.14
(1,297)	1:20:A:LYS:HA	1:20:A:LYS:HE3	15	0.14
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	2	0.14
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	17	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	1	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	2	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	8	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	9	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	10	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	11	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	12	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	14	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	16	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	18	0.14
(1,231)	1:30:A:ARG:HG3	1:30:A:ARG:HD3	20	0.14
(1,225)	1:25:A:ASN:HA	1:28:A:LYS:H	4	0.14
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	11	0.14
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	20	0.14
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	3	0.14
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	14	0.14
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	18	0.14
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	8	0.14
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	8	0.14
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	5	0.14
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	2	0.13
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	6	0.13
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	13	0.13
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	14	0.13
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	9	0.13
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	11	0.13
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	14	0.13
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	15	0.13
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	8	0.13
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	10	0.13
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	3	0.13
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	7	0.13
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	9	0.13
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	11	0.13
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	14	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	2	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	3	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	5	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	7	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	9	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	11	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	12	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	13	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	14	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	15	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	18	0.13
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	19	0.13
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	2	0.13
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	6	0.13
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	13	0.13
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	14	0.13
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	9	0.13
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	11	0.13
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	14	0.13
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	15	0.13
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	8	0.13
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	10	0.13
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	3	0.13
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	19	0.13
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	8	0.13
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	13	0.13
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	1	0.13
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	14	0.13
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	1	0.13
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	5	0.13
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	9	0.13
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	12	0.13
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	18	0.13
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	14	0.13
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	18	0.13
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	10	0.13
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	14	0.13
(1,672)	1:29:A:LEU:HA	1:33:A:CYS:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	12	0.13
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	5	0.13
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	16	0.13
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	12	0.13
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	17	0.13
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	4	0.13
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	4	0.13
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	4	0.13
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	4	0.13
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	4	0.13
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	4	0.13
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	8	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	3	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	3	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	4	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	4	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	5	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	5	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	16	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	16	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	19	0.13
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	19	0.13
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	14	0.13
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	14	0.13
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	14	0.13
(1,512)	1:9:A:GLY:HA3	1:11:A:ILE:H	11	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	3	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	5	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	8	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	9	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	14	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	15	0.13
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	18	0.13
(1,457)	1:35:A:LYS:H	1:36:A:THR:HA	4	0.13
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	11	0.13
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	7	0.13
(1,432)	1:15:A:PHE:H	1:15:A:PHE:HB2	13	0.13
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG21	1	0.13
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG22	1	0.13
(1,430)	1:13:A:GLU:HA	1:36:A:THR:HG23	1	0.13
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	15	0.13
(1,371)	1:27:A:VAL:HG21	1:28:A:LYS:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:27:A:VAL:HG22	1:28:A:LYS:H	16	0.13
(1,371)	1:27:A:VAL:HG23	1:28:A:LYS:H	16	0.13
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	4	0.13
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	4	0.13
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	4	0.13
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	4	0.13
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	18	0.13
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	11	0.13
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	11	0.13
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	8	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	16	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	16	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	16	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	18	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	18	0.13
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	18	0.13
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	7	0.13
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	17	0.13
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	17	0.13
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	20	0.13
(1,253)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	20	0.13
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	15	0.13
(1,183)	1:8:A:HIS:H	1:8:A:HIS:HD2	11	0.13
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	12	0.13
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	1	0.13
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	9	0.13
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	5	0.13
(1,152)	1:22:A:SER:H	1:26:A:GLY:H	20	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	2	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	3	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	4	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	5	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	6	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	7	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	13	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	15	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	17	0.13
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	19	0.13
(1,142)	1:13:A:GLU:HA	1:15:A:PHE:H	7	0.13
(1,133)	1:8:A:HIS:HB3	1:9:A:GLY:H	2	0.13
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	4	0.13
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:8:A:HIS:H	1:11:A:ILE:HG13	10	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	9	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	9	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	12	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	12	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	18	0.13
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	18	0.13
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	4	0.12
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	15	0.12
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	19	0.12
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	2	0.12
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	18	0.12
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	13	0.12
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	18	0.12
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	19	0.12
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	2	0.12
(1,850)	1:11:A:ILE:O	1:15:A:PHE:N	4	0.12
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	14	0.12
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	12	0.12
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	15	0.12
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	16	0.12
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	18	0.12
(1,806)	1:19:A:CYS:SG	1:37:A:CYS:SG	17	0.12
(1,800)	1:3:A:CYS:SG	1:40:A:CYS:SG	19	0.12
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	4	0.12
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	15	0.12
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	19	0.12
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	2	0.12
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	18	0.12
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	13	0.12
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	18	0.12
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	19	0.12
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	2	0.12
(1,769)	1:11:A:ILE:O	1:15:A:PHE:N	4	0.12
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	14	0.12
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	18	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	2	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	7	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	8	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	11	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	13	0.12
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	1	0.12
(1,700)	1:13:A:GLU:H	1:15:A:PHE:H	3	0.12
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	8	0.12
(1,698)	1:11:A:ILE:HA	1:13:A:GLU:H	9	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	2	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	2	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	7	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	7	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	10	0.12
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	10	0.12
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	9	0.12
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	14	0.12
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	1	0.12
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	8	0.12
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	7	0.12
(1,610)	1:12:A:CYS:HA	1:14:A:SER:H	14	0.12
(1,605)	1:11:A:ILE:HA	1:14:A:SER:H	17	0.12
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	10	0.12
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	2	0.12
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	3	0.12
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	16	0.12
(1,585)	1:37:A:CYS:HB3	1:39:A:LEU:HG	18	0.12
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	8	0.12
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	19	0.12
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	2	0.12
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	6	0.12
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	11	0.12
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	11	0.12
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	11	0.12
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	11	0.12
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	11	0.12
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	14	0.12
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	14	0.12
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	14	0.12
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	14	0.12
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	14	0.12
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	14	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	1	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	1	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	9	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	9	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	16	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	16	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	18	0.12
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	18	0.12
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	16	0.12
(1,537)	1:5:A:ASP:HA	1:34:A:LYS:H	18	0.12
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	10	0.12
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	10	0.12
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	18	0.12
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	18	0.12
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	13	0.12
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	13	0.12
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	13	0.12
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	16	0.12
(1,520)	1:15:A:PHE:H	1:16:A:LYS:H	18	0.12
(1,487)	1:24:A:ARG:HB3	1:25:A:ASN:H	5	0.12
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	19	0.12
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	1	0.12
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	9	0.12
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	11	0.12
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG21	3	0.12
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG22	3	0.12
(1,375)	1:13:A:GLU:HG3	1:36:A:THR:HG23	3	0.12
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	6	0.12
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	10	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	1	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	1	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	1	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	8	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	8	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	8	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	11	0.12
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	11	0.12
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	3	0.12
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	3	0.12
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE2	13	0.12
(1,288)	1:16:A:LYS:HA	1:16:A:LYS:HE3	13	0.12
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	12	0.12
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	16	0.12
(1,181)	1:23:A:GLY:HA2	1:24:A:ARG:H	18	0.12
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	6	0.12
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	7	0.12
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	17	0.12
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	19	0.12
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	16	0.12
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	16	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	1	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	8	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	9	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	10	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	11	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	12	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	14	0.12
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	18	0.12
(1,133)	1:8:A:HIS:HB3	1:9:A:GLY:H	15	0.12
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	2	0.12
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	2	0.12
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	2	0.12
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	8	0.12
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	8	0.12
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	2	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	7	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	7	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	12	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	12	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	20	0.12
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	20	0.12
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	8	0.12
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	8	0.12
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	11	0.12
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	11	0.12
(1,868)	1:27:A:VAL:O	1:31:A:ALA:N	16	0.11
(1,858)	1:18:A:PHE:O	1:21:A:ASP:N	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	15	0.11
(1,857)	1:18:A:PHE:O	1:21:A:ASP:H	16	0.11
(1,849)	1:11:A:ILE:O	1:15:A:PHE:H	9	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	2	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	3	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	5	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	10	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	13	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	19	0.11
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	20	0.11
(1,804)	1:12:A:CYS:SG	1:33:A:CYS:CB	17	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	1	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	8	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	9	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	11	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	12	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	14	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	18	0.11
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	19	0.11
(1,801)	1:3:A:CYS:SG	1:40:A:CYS:CB	20	0.11
(1,787)	1:27:A:VAL:O	1:31:A:ALA:N	16	0.11
(1,777)	1:18:A:PHE:O	1:21:A:ASP:N	10	0.11
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	15	0.11
(1,776)	1:18:A:PHE:O	1:21:A:ASP:H	16	0.11
(1,768)	1:11:A:ILE:O	1:15:A:PHE:H	9	0.11
(1,716)	1:32:A:ASN:H	1:34:A:LYS:HG3	12	0.11
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	9	0.11
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	9	0.11
(1,708)	1:5:A:ASP:H	1:5:A:ASP:HB2	11	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	4	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	4	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	11	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	11	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	14	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	14	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	16	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	16	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	18	0.11
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	18	0.11
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	11	0.11
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	8	0.11
(1,653)	1:36:A:THR:H	1:36:A:THR:HB	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:32:A:ASN:H	1:32:A:ASN:HD22	14	0.11
(1,623)	1:34:A:LYS:HB3	1:34:A:LYS:HE2	17	0.11
(1,623)	1:34:A:LYS:HB3	1:34:A:LYS:HE3	17	0.11
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	2	0.11
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	2	0.11
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	2	0.11
(1,603)	1:34:A:LYS:HA	1:39:A:LEU:H	11	0.11
(1,583)	1:10:A:HIS:HB2	1:10:A:HIS:HE1	2	0.11
(1,580)	1:10:A:HIS:HA	1:12:A:CYS:H	8	0.11
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	5	0.11
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	5	0.11
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD2	7	0.11
(1,550)	1:20:A:LYS:H	1:20:A:LYS:HD3	7	0.11
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD2	2	0.11
(1,524)	1:16:A:LYS:H	1:16:A:LYS:HD3	2	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	8	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	8	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	8	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	15	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	15	0.11
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	15	0.11
(1,487)	1:24:A:ARG:HB3	1:25:A:ASN:H	8	0.11
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	6	0.11
(1,442)	1:12:A:CYS:HB3	1:33:A:CYS:HA	9	0.11
(1,434)	1:24:A:ARG:HB2	1:25:A:ASN:H	10	0.11
(1,420)	1:34:A:LYS:HA	1:37:A:CYS:HB2	10	0.11
(1,411)	1:18:A:PHE:HB2	1:19:A:CYS:H	18	0.11
(1,408)	1:19:A:CYS:H	1:21:A:ASP:H	3	0.11
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	3	0.11
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	3	0.11
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	3	0.11
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	3	0.11
(1,336)	1:21:A:ASP:HB2	1:22:A:SER:H	16	0.11
(1,336)	1:21:A:ASP:HB3	1:22:A:SER:H	16	0.11
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	1	0.11
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	9	0.11
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	11	0.11
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	14	0.11
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	18	0.11
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	9	0.11
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	9	0.11
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD21	14	0.11
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD22	14	0.11
(1,319)	1:38:A:GLY:H	1:39:A:LEU:HD23	14	0.11
(1,301)	1:11:A:ILE:HG21	1:12:A:CYS:H	17	0.11
(1,301)	1:11:A:ILE:HG22	1:12:A:CYS:H	17	0.11
(1,301)	1:11:A:ILE:HG23	1:12:A:CYS:H	17	0.11
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	8	0.11
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	19	0.11
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	3	0.11
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB2	18	0.11
(1,160)	1:31:A:ALA:H	1:32:A:ASN:HB3	18	0.11
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	16	0.11
(1,145)	1:30:A:ARG:HB2	1:30:A:ARG:HD3	20	0.11
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	4	0.11
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	4	0.11
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	4	0.11
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE2	12	0.11
(1,94)	1:28:A:LYS:HA	1:28:A:LYS:HE3	12	0.11
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	5	0.11
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB2	11	0.11
(1,18)	1:10:A:HIS:HA	1:13:A:GLU:HB3	11	0.11
(1,9)	1:6:A:ARG:HD3	1:32:A:ASN:HA	9	0.11
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	1	0.11
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	1	0.11
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	16	0.11
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	16	0.11
(1,879)	1:34:A:LYS:O	1:39:A:LEU:H	18	0.1
(1,875)	1:33:A:CYS:O	1:37:A:CYS:H	13	0.1
(1,854)	1:15:A:PHE:O	1:18:A:PHE:N	11	0.1
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	4	0.1
(1,808)	1:19:A:CYS:CB	1:37:A:CYS:SG	6	0.1
(1,804)	1:12:A:CYS:SG	1:33:A:CYS:CB	2	0.1
(1,803)	1:12:A:CYS:SG	1:33:A:CYS:SG	17	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	2	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	3	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	5	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	6	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	7	0.1
(1,802)	1:3:A:CYS:CB	1:40:A:CYS:SG	16	0.1
(1,798)	1:34:A:LYS:O	1:39:A:LEU:H	18	0.1
(1,794)	1:33:A:CYS:O	1:37:A:CYS:H	13	0.1
(1,773)	1:15:A:PHE:O	1:18:A:PHE:N	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:5:A:ASP:HB2	1:7:A:ALA:H	11	0.1
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	4	0.1
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	6	0.1
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	10	0.1
(1,711)	1:20:A:LYS:H	1:20:A:LYS:HB2	17	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	3	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	3	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	5	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	5	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	9	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	9	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB2	19	0.1
(1,697)	1:16:A:LYS:H	1:16:A:LYS:HB3	19	0.1
(1,670)	1:29:A:LEU:HA	1:33:A:CYS:HB2	1	0.1
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	7	0.1
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	7	0.1
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	7	0.1
(1,616)	1:39:A:LEU:HD11	1:40:A:CYS:H	17	0.1
(1,616)	1:39:A:LEU:HD12	1:40:A:CYS:H	17	0.1
(1,616)	1:39:A:LEU:HD13	1:40:A:CYS:H	17	0.1
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	8	0.1
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	15	0.1
(1,569)	1:29:A:LEU:HD11	1:33:A:CYS:H	18	0.1
(1,569)	1:29:A:LEU:HD12	1:33:A:CYS:H	18	0.1
(1,569)	1:29:A:LEU:HD13	1:33:A:CYS:H	18	0.1
(1,569)	1:29:A:LEU:HD21	1:33:A:CYS:H	18	0.1
(1,569)	1:29:A:LEU:HD22	1:33:A:CYS:H	18	0.1
(1,569)	1:29:A:LEU:HD23	1:33:A:CYS:H	18	0.1
(1,535)	1:5:A:ASP:HA	1:35:A:LYS:H	8	0.1
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG21	10	0.1
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG22	10	0.1
(1,523)	1:16:A:LYS:H	1:36:A:THR:HG23	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	8	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	9	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	11	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	14	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	16	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	18	0.1
(1,505)	1:30:A:ARG:HB3	1:30:A:ARG:HE	20	0.1
(1,473)	1:4:A:SER:HA	1:5:A:ASP:H	11	0.1
(1,458)	1:34:A:LYS:HG2	1:35:A:LYS:H	16	0.1
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE2	4	0.1
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE3	4	0.1
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE2	6	0.1
(1,455)	1:35:A:LYS:H	1:35:A:LYS:HE3	6	0.1
(1,454)	1:35:A:LYS:H	1:35:A:LYS:HG2	19	0.1
(1,454)	1:35:A:LYS:H	1:35:A:LYS:HG3	19	0.1
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD2	19	0.1
(1,406)	1:24:A:ARG:HA	1:24:A:ARG:HD3	19	0.1
(1,391)	1:5:A:ASP:H	1:35:A:LYS:H	12	0.1
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB2	10	0.1
(1,354)	1:18:A:PHE:HD1	1:21:A:ASP:HB3	10	0.1
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB2	10	0.1
(1,354)	1:18:A:PHE:HD2	1:21:A:ASP:HB3	10	0.1
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	9	0.1
(1,341)	1:12:A:CYS:HB2	1:33:A:CYS:HB3	19	0.1
(1,323)	1:30:A:ARG:H	1:30:A:ARG:HG2	12	0.1
(1,283)	1:3:A:CYS:H	1:4:A:SER:H	4	0.1
(1,275)	1:31:A:ALA:HB1	1:32:A:ASN:HD22	18	0.1
(1,275)	1:31:A:ALA:HB2	1:32:A:ASN:HD22	18	0.1
(1,275)	1:31:A:ALA:HB3	1:32:A:ASN:HD22	18	0.1
(1,197)	1:30:A:ARG:H	1:32:A:ASN:H	2	0.1
(1,169)	1:20:A:LYS:H	1:20:A:LYS:HB3	5	0.1
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	1	0.1
(1,166)	1:28:A:LYS:HA	1:28:A:LYS:HG2	13	0.1
(1,138)	1:12:A:CYS:HB3	1:36:A:THR:HA	12	0.1
(1,138)	1:12:A:CYS:HB3	1:36:A:THR:HA	18	0.1
(1,133)	1:8:A:HIS:HB3	1:9:A:GLY:H	20	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	14	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	14	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	14	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD11	17	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD12	17	0.1
(1,102)	1:30:A:ARG:HE	1:39:A:LEU:HD13	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	3	0.1
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	7	0.1
(1,83)	1:12:A:CYS:CB	1:33:A:CYS:SG	8	0.1
(1,9)	1:6:A:ARG:HD3	1:32:A:ASN:HA	7	0.1
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB2	14	0.1
(1,1)	1:3:A:CYS:HA	1:34:A:LYS:HB3	14	0.1

10 Dihedral-angle violation analysis

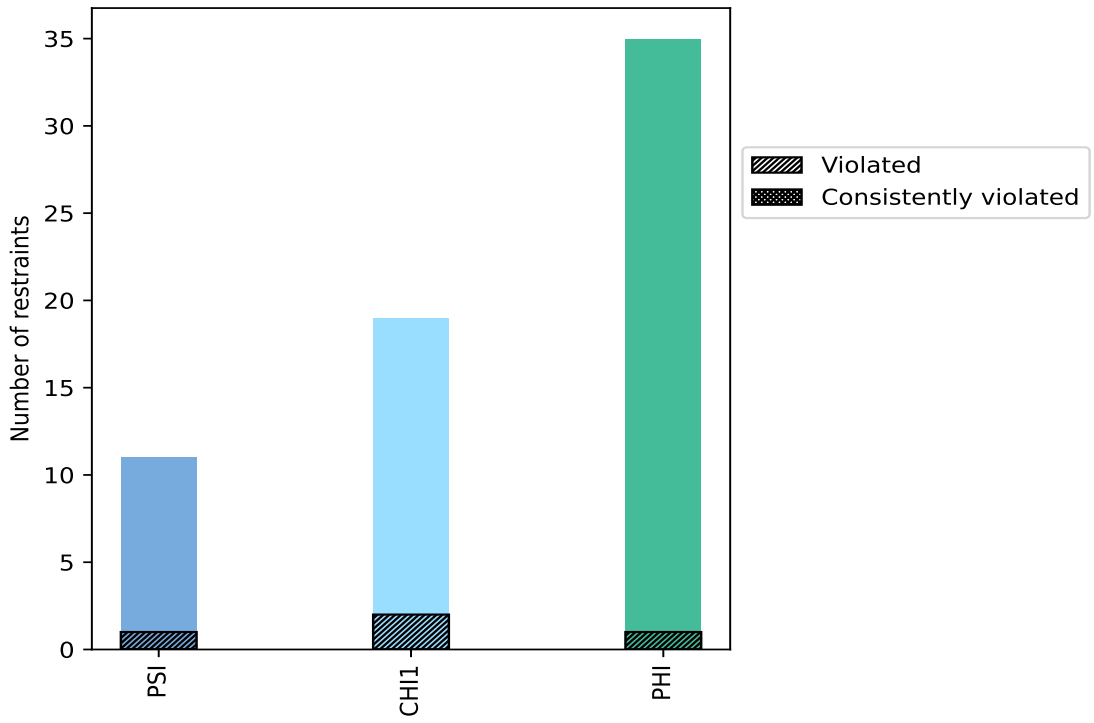
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	11	16.9	1	9.1	1.5	0	0.0	0.0
CHI1	19	29.2	2	10.5	3.1	0	0.0	0.0
PHI	35	53.8	1	2.9	1.5	0	0.0	0.0
Total	65	100.0	4	6.2	6.2	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



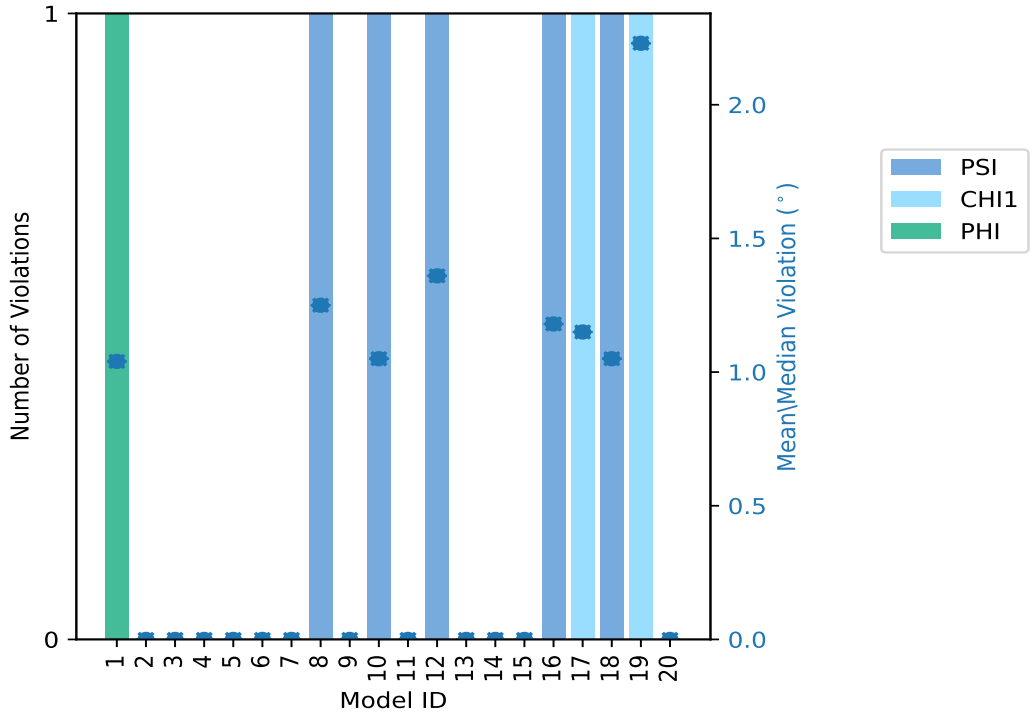
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations				Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	CHI1	PHI	Total				
1	0	0	1	1	1.04	1.04	0.0	1.04
2	0	0	0	0	0.0	0.0	0.0	0.0
3	0	0	0	0	0.0	0.0	0.0	0.0
4	0	0	0	0	0.0	0.0	0.0	0.0
5	0	0	0	0	0.0	0.0	0.0	0.0
6	0	0	0	0	0.0	0.0	0.0	0.0
7	0	0	0	0	0.0	0.0	0.0	0.0
8	1	0	0	1	1.25	1.25	0.0	1.25
9	0	0	0	0	0.0	0.0	0.0	0.0
10	1	0	0	1	1.05	1.05	0.0	1.05
11	0	0	0	0	0.0	0.0	0.0	0.0
12	1	0	0	1	1.36	1.36	0.0	1.36
13	0	0	0	0	0.0	0.0	0.0	0.0
14	0	0	0	0	0.0	0.0	0.0	0.0
15	0	0	0	0	0.0	0.0	0.0	0.0
16	1	0	0	1	1.18	1.18	0.0	1.18
17	0	1	0	1	1.15	1.15	0.0	1.15
18	1	0	0	1	1.05	1.05	0.0	1.05
19	0	1	0	1	2.23	2.23	0.0	2.23
20	0	0	0	0	0.0	0.0	0.0	0.0

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

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

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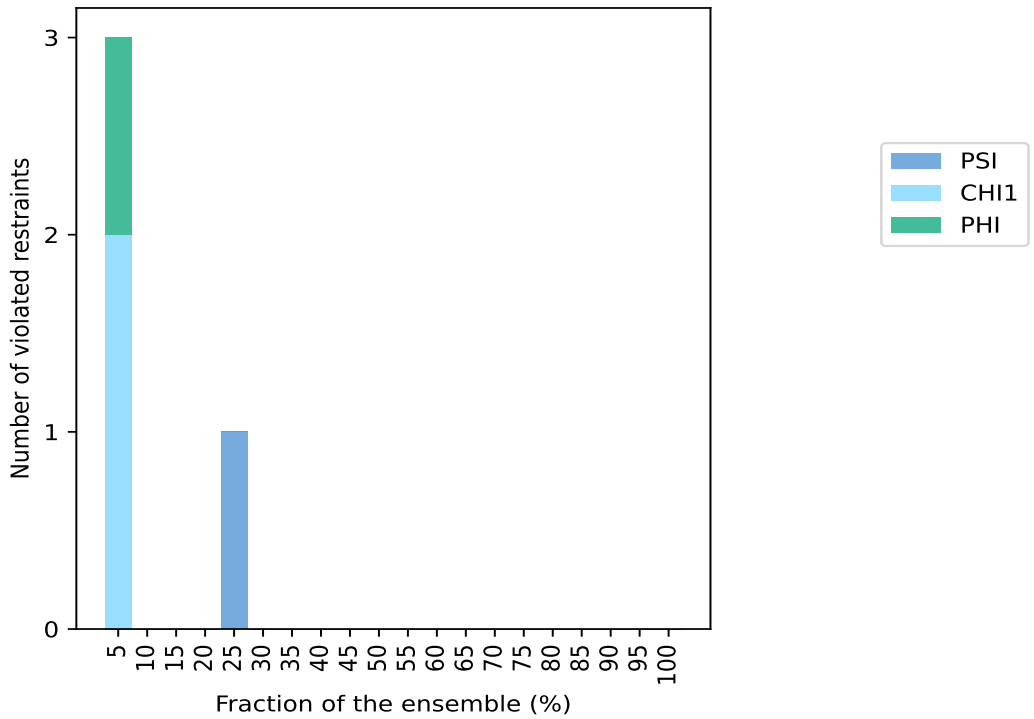
Number of violated restraints				Fraction of the ensemble	
PSI	CHI1	PHI	Total	Count[1]	%
0	0	0	0	12	60.0
0	0	0	0	13	65.0
0	0	0	0	14	70.0
0	0	0	0	15	75.0
0	0	0	0	16	80.0
0	0	0	0	17	85.0
0	0	0	0	18	90.0
0	0	0	0	19	95.0
0	0	0	0	20	100.0

[1] Number of models with violations

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

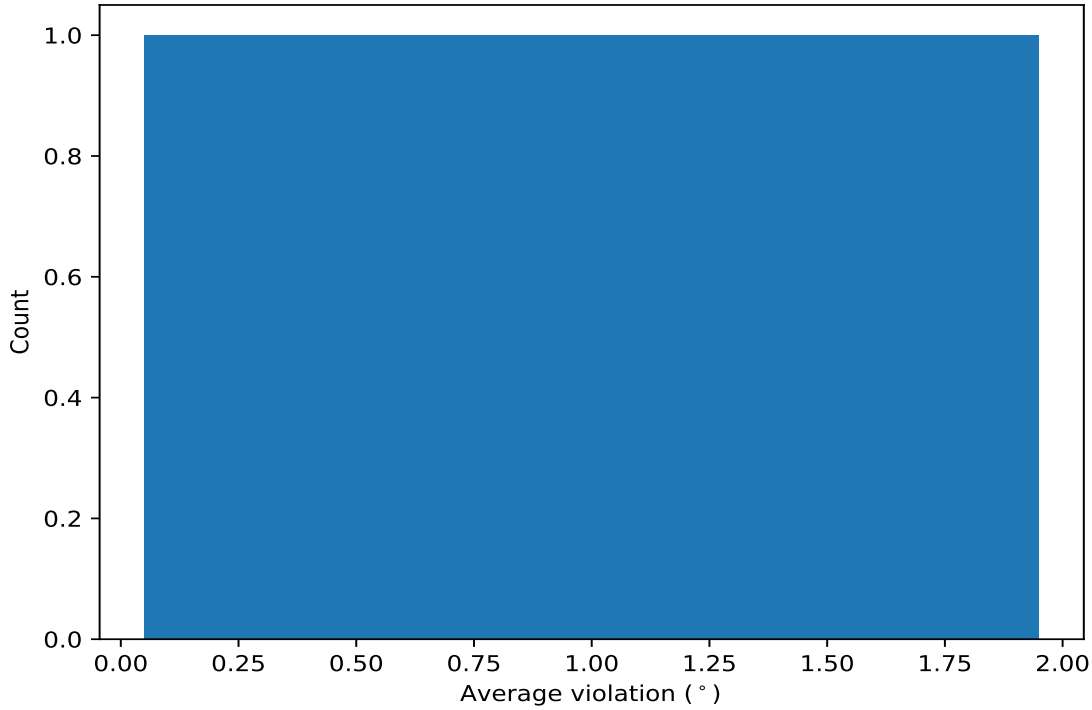


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

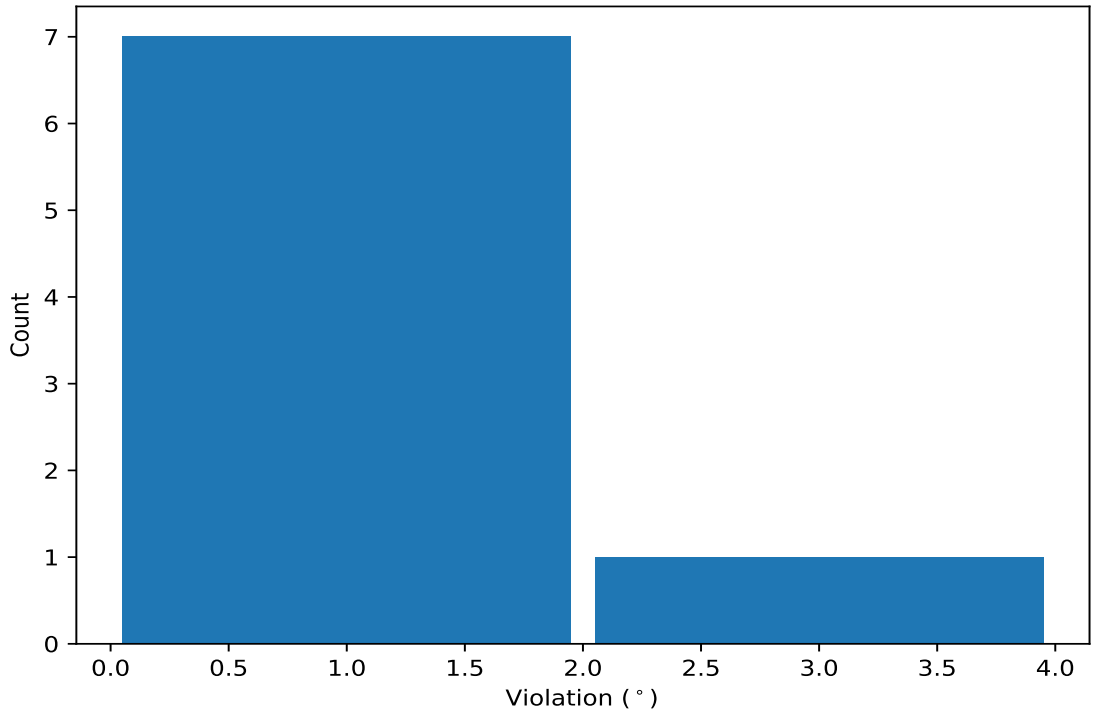
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	5	1.18	0.12	1.18

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,62)	1:35:A:LYS:N	1:35:A:LYS:CA	1:35:A:LYS:CB	1:35:A:LYS:CG	19	2.23
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	12	1.36
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	8	1.25
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	16	1.18
(1,54)	1:19:A:CYS:N	1:19:A:CYS:CA	1:19:A:CYS:CB	1:19:A:CYS:SG	17	1.15
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	10	1.05
(1,45)	1:34:A:LYS:N	1:34:A:LYS:CA	1:34:A:LYS:C	1:35:A:LYS:N	18	1.05
(1,9)	1:10:A:HIS:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	1	1.04